

THE CHARACTER TABLES OF CENTRALIZERS IN SPORADIC SIMPLE GROUPS OF HS AND Co_3

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ABSTRACT. To classify the finite dimensional pointed Hopf algebras with $G = \text{HS}$ or Co_3 we obtain the representatives of conjugacy classes of G and all character tables of centralizers of these representatives by means of software GAP.

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0. INTRODUCTION

This article is to contribute to the classification of finite-dimensional complex pointed Hopf algebras with sporadic simple group $G = \text{HS}$ or Co_3

Many papers are about the classification of finite dimensional pointed Hopf algebras, for example, [AS02, AS00, AS05, He06, AHS08, AG03, AFZ, AZ07, Gr00, Fa07, AF06, AF07, ZYC, ZCZ, ZZWCY08]. In these research ones need the centralizers and character tables of groups. In this paper we obtain the representatives of conjugacy classes of sporadic simple group HS and Co_3 , as well as all character tables of centralizers of these representatives by means of software GAP.

1. HS

In this section G denotes the sporadic simple group HS . It is clear that G is a sub-group of symmetric group \mathbb{S}_{100} (see [GAP]).

1.1. Program. `gap> x:=Indeterminate(GF(2));`

`gap> SetName(x,"x");`

`gap> f:=x23-1;`

`gap> Factors(f);`

`gap> f:=First(Factors(f),i->Degree(i)>1);`

`gap> LoadPackage("guava");`

`gap> cod:=GeneratorPolCode(f,23,GF(2));`

`gap> IsPerfectCode(cod);`

`gap> ext:=ExtendedCode(cod);`

`gap> WeightDistribution(ext);`

`gap> autext:=AutomorphismGroup(ext);`

`gap> gens:=SmallGeneratingSet(autext);`

`gap> m24:=Group(gens);`

`gap> SetName(m24,"m24");`

`gap> Size(m24);`

`gap> Transitivity(m24,[1..24]);`

`gap> st:=Stabilizer(m24,[23,24],OnSets);`

`gap> gens:=SmallGeneratingSet(st);`

`gap> st2:=Group(gens);`

`gap> m22a:=Action(st2,[1..22]);`

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gap> SetName(m22a,"m22a");
gap> Size(m22a);
gap> s:=SylowSubgroup(m22a,2);
gap> pciso:=IsomorphismPcGroup(s);
gap> a:=Image(pciso);
gap> n:=Filtered(NormalSubgroups(a),i->Size(i)=16
> and IsElementaryAbelian(i));
gap> n:=List(n,i->PreImage(pciso,i));
gap> e:=Filtered(n,i->IsRegular(i,MovedPoints(i)));Length(e);
gap> e:=e[1];
gap> h:=Normalizer(m22a,e);
gap> ophom:=ActionHomomorphism(m22a,RightCosets(m22a,h),OnRight);
gap> mop:=Image(ophom);
gap> DegreeAction(mop);
gap> dp:=DirectProduct(m22a,mop);
gap> emb1:=Embedding(dp,1);
gap> emb2:=Embedding(dp,2);
gap> diag:=List(GeneratorsOfGroup(m22a),
> i->Image(emb1,i)*Image(emb2,Image(ophom,i)));
gap> diag:=Group(diag,());
gap> SetName(diag,"M22.2-99");
gap> LoadPackage("grape");
gap> gamma:=NullGraph(diag,100);
gap> AddEdgeOrbit(gamma,[1,100]); AddEdgeOrbit(gamma,[100,1]);
gap> hexad:=First(Orbits(h,[1..22]),i->Length(i)=6);
gap> for i in hexad do
> AddEdgeOrbit(gamma,[i,23]);
> AddEdgeOrbit(gamma,[23,i]);
> od;.
gap> Adjacency(gamma,23);
gap> stab:=Stabilizer(diag,23);
gap> orbs:=Orbits(stab,[24..99]);
gap> orbreps:=List(orbs,i->i[1]);
gap> rep1:=orbreps[1];
gap> Adjacency(gamma,rep1);
gap> Intersection(hexad,Adjacency(gamma,rep1));
gap> rep2:=orbreps[2];
gap> Adjacency(gamma,rep2);
gap> Intersection(hexad,Adjacency(gamma,rep2));
gap> AddEdgeOrbit(gamma,[23,rep2]); AddEdgeOrbit(gamma,[rep2,23]);
gap> IsSimpleGraph(gamma);
gap> Adjacency(gamma,23);
gap> IsDistanceRegular(gamma);
gap> aug:=AutGroupGraph(gamma);
gap> Size(aug);
gap> small := SmallGeneratingSet(aug);
gap> Length(small);

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gap> aug2 := Group(small);
gap> DisplayCompositionSeries(aug2);
gap> hs:=DerivedSubgroup(aug2);Display(hs);Display(Order(hs));
ccl:=ConjugacyClasses(hs);Display(ccl);
q:=NrConjugacyClasses(hs);; Display (q);
gap > ccl:=ConjugacyClasses(hs);;
gap > q:=NrConjugacyClasses(hs);; Display (q);
gap > for i in [1..q] do s:=Representative(ccl[i]);Display(s); od;
gap > ccl:=ConjugacyClasses(hs);;
gap > q:=NrConjugacyClasses(hs);; Display (q);
gap > for i in [1..q] do r:=Order(Representative(ccl[i]));Display(r); od;
gap > for i in [1..q] do s:=Representative(ccl[i]); cen:=Centralizer(hs,s);; cl := ConjugacyClasses(cen);; t
:= NrConjugacyClasses(cen);;
gap > s1:=Representative(ccl[1]);cen1:=Centralizer(hs,s1);;Display (cen1);
gap > cl1:=ConjugacyClasses(cen1);char:=CharacterTable (cen1);;
gap > Display (char);
gap > s1:=Representative(ccl[2]);cen1:=Centralizer(hs,s1);;Display (cen1);
gap > cl1:=ConjugacyClasses(cen1);char:=CharacterTable (cen1);;
gap > Display (char);
gap > s1:=Representative(ccl[3]);cen1:=Centralizer(hs,s1);;Display (cen1);
gap > cl1:=ConjugacyClasses(cen1);char:=CharacterTable (cen1);;
gap > Display (char);
gap > s1:=Representative(ccl[4]);cen1:=Centralizer(hs,s1);;Display (cen1);
gap > cl1:=ConjugacyClasses(cen1);char:=CharacterTable (cen1);;
gap > Display (char);
gap > s1:=Representative(ccl[5]);cen1:=Centralizer(hs,s1);;Display (cen1);
gap > cl1:=ConjugacyClasses(cen1);char:=CharacterTable (cen1);;
gap > Display (char);
gap > s1:=Representative(ccl[6]);cen1:=Centralizer(hs,s1);;Display (cen1);
gap > cl1:=ConjugacyClasses(cen1);char:=CharacterTable (cen1);;
gap > Display (char);
gap > s1:=Representative(ccl[7]);cen1:=Centralizer(hs,s1);;Display (cen1);
gap > cl1:=ConjugacyClasses(cen1);char:=CharacterTable (cen1);;
gap > Display (char);
gap > s1:=Representative(ccl[8]);cen1:=Centralizer(hs,s1);;Display (cen1);
gap > cl1:=ConjugacyClasses(cen1);char:=CharacterTable (cen1);;
gap > Display (char);
gap > s1:=Representative(ccl[9]);cen1:=Centralizer(hs,s1);;Display (cen1);
gap > cl1:=ConjugacyClasses(cen1);char:=CharacterTable (cen1);;
gap > Display (char);
gap > s1:=Representative(ccl[10]);cen1:=Centralizer(hs,s1);;Display (cen1);
gap > cl1:=ConjugacyClasses(cen1);char:=CharacterTable (cen1);;
gap > Display (char);
gap > s1:=Representative(ccl[11]);cen1:=Centralizer(hs,s1);;Display (cen1);
gap > cl1:=ConjugacyClasses(cen1);char:=CharacterTable (cen1);;
gap > Display (char);
gap > s1:=Representative(ccl[12]);cen1:=Centralizer(hs,s1);;Display (cen1);

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gap > cl1:=ConjugacyClasses(cen1);char:=CharacterTable (cen1);;
gap > Display (char);
gap > s1:=Representative(ccl[13]);cen1:=Centralizer(hs,s1);;Display (cen1);
gap > cl1:=ConjugacyClasses(cen1);char:=CharacterTable (cen1);;
gap > Display (char);
gap > s1:=Representative(ccl[14]);cen1:=Centralizer(hs,s1);;Display (cen1);
gap > cl1:=ConjugacyClasses(cen1);char:=CharacterTable (cen1);;
gap > Display (char);
gap > s1:=Representative(ccl[15]);cen1:=Centralizer(hs,s1);;Display (cen1);
gap > cl1:=ConjugacyClasses(cen1);char:=CharacterTable (cen1);;
gap > Display (char);
gap > s1:=Representative(ccl[16]);cen1:=Centralizer(hs,s1);;Display (cen1);
gap > cl1:=ConjugacyClasses(cen1);char:=CharacterTable (cen1);;
gap > Display (char);
gap > s1:=Representative(ccl[17]);cen1:=Centralizer(hs,s1);;Display (cen1);
gap > cl1:=ConjugacyClasses(cen1);char:=CharacterTable (cen1);;
gap > Display (char);
gap > s1:=Representative(ccl[18]);cen1:=Centralizer(hs,s1);;Display (cen1);
gap > cl1:=ConjugacyClasses(cen1);char:=CharacterTable (cen1);;
gap > Display (char);
gap > s1:=Representative(ccl[19]);cen1:=Centralizer(hs,s1);;Display (cen1);
gap > cl1:=ConjugacyClasses(cen1);char:=CharacterTable (cen1);;
gap > Display (char);
gap > s1:=Representative(ccl[20]);cen1:=Centralizer(hs,s1);;Display (cen1);
gap > cl1:=ConjugacyClasses(cen1);char:=CharacterTable (cen1);;
gap > Display (char);
gap > s1:=Representative(ccl[21]);cen1:=Centralizer(hs,s1);;Display (cen1);
gap > cl1:=ConjugacyClasses(cen1);char:=CharacterTable (cen1);;
gap > Display (char);
gap > s1:=Representative(ccl[22]);cen1:=Centralizer(hs,s1);;Display (cen1);
gap > cl1:=ConjugacyClasses(cen1);char:=CharacterTable (cen1);;
gap > Display (char);
gap > s1:=Representative(ccl[23]);cen1:=Centralizer(hs,s1);;Display (cen1);
gap > cl1:=ConjugacyClasses(cen1);char:=CharacterTable (cen1);;
gap > Display (char);
gap > s1:=Representative(ccl[24]);cen1:=Centralizer(hs,s1);;Display (cen1);
gap > cl1:=ConjugacyClasses(cen1);char:=CharacterTable (cen1);;
gap > Display (char);

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1.2. The character tables. The order of G is 44352000.

The generators of G are:

$(1, 85, 8, 96)(2, 98, 39, 68, 20, 93, 56, 30)(3, 7, 47, 29, 4, 16, 38, 62)(5, 45, 46, 89, 12, 53, 52, 80)(6, 28)(9, 24, 76, 10,$
 $13, 60, 25, 18)(11, 86, 37, 73, 22, 92, 32, 63)(14, 35, 43, 97, 19, 54, 59, 81)(17, 66)(23, 41, 55, 95, 77, 31, 40, 84)(26, 64)$
 $(27, 42, 58, 88, 69, 57, 50, 82)(33, 75, 78, 99, 44, 34, 65, 87)(36, 71, 61, 90, 51, 74, 70, 91)(48, 94, 67, 83)(49, 100, 72, 79),$
 $(1, 34)(2, 97, 39, 84, 66, 83, 8, 96)(3, 15, 19, 62, 73, 67, 24, 69)(4, 56)(5, 88, 76, 89, 21, 92, 77, 82)(6, 44, 71, 46, 23, 60,$
 $16, 12)(7, 87, 18, 94, 40, 100, 70, 98)(9, 42, 72, 29, 45, 61, 25, 14)(10, 63, 43, 36, 74, 78, 27, 17)(11, 33, 75, 58, 30, 59, 28, 53)$
 $(13, 54, 65, 32)(20, 37, 64, 68)(22, 38, 41, 55, 35, 49, 26, 57)(31, 50)(47, 79, 52, 99, 51, 85, 48, 95)(81, 86, 93, 90).$

The representatives of conjugacy classes of G are:

$s_1=(1)$, $s_2=(1, 33, 64, 44, 42, 63, 9, 78)$ (2, 15, 7, 14, 47, 57, 18, 87) (3, 8, 69, 39, 96, 91, 68, 52) (4, 37, 74, 29, 26, 72, 62, 88) (5, 25, 51, 82, 76, 12, 80, 60) (6, 10, 50, 75) (11, 59, 13, 99, 41, 94, 85, 22) (16, 48, 53, 86) (17, 81) (19, 92, 45, 35, 31, 55, 58, 65) (20, 28, 49, 73, 38, 79, 43, 54) (21, 98, 70, 32, 90, 89, 93, 83) (23, 36, 100, 71, 97, 61, 67, 24) (27, 77, 56, 66) (30, 95, 84, 46) (34, 40) , $s_3=(1, 64, 42, 9)$ (2, 7, 47, 18) (3, 69, 96, 68) (4, 74, 26, 62) (5, 51, 76, 80) (6, 50) (8, 39, 91, 52) (10, 75) (11, 13, 41, 85) (12, 60, 25, 82) (14, 57, 87, 15) (16, 53) (19, 45, 31, 58) (20, 49, 38, 43) (21, 70, 90, 93) (22, 59, 99, 94) (23, 100, 97, 67) (24, 36, 71, 61) (27, 56) (28, 73, 79, 54) (29, 72, 88, 37) (30, 84) (32, 89, 83, 98) (33, 44, 63, 78) (35, 55, 65, 92) (46, 95) (48, 86) (66, 77) , $s_4=(1, 42)$ (2, 47) (3, 96) (4, 26) (5, 76) (7, 18) (8, 91) (9, 64) (11, 41) (12, 25) (13, 85) (14, 87) (15, 57) (19, 31) (20, 38) (21, 90) (22, 99) (23, 97) (24, 71) (28, 79) (29, 88) (32, 83) (33, 63) (35, 65) (36, 61) (37, 72) (39, 52) (43, 49) (44, 78) (45, 58) (51, 80) (54, 73) (55, 92) (59, 94) (60, 82) (62, 74) (67, 100) (68, 69) (70, 93) (89, 98) , $s_5=(1, 70, 64, 90, 42, 93, 9, 21)$ (2, 36, 7, 71, 47, 61, 18, 24) (3, 73, 69, 79, 96, 54, 68, 28) (4, 13, 74, 41, 26, 85, 62, 11) (5, 45, 51, 31, 76, 58, 80, 19) (6, 46, 50, 95) (8, 20, 39, 49, 91, 38, 52, 43) (10, 30, 75, 84) (12, 35, 60, 55, 25, 65, 82, 92) (14, 23, 57, 100, 87, 97, 15, 67) (16, 66, 53, 77) (17, 40) (22, 29, 59, 72, 99, 88, 94, 37) (27, 86, 56, 48) (32, 78, 89, 33, 83, 44, 98, 63) (34, 81) , $s_6=(1, 57, 42, 15)$ (2, 78, 47, 44) (3, 31, 96, 19) (4, 59, 26, 94) (5, 73, 76, 54) (7, 33, 18, 63) (8, 55, 91, 92) (9, 14, 64, 87) (11, 29, 41, 88) (12, 20, 25, 38) (13, 72, 85, 37) (16, 56) (17, 34) (21, 23, 90, 97) (22, 74, 99, 62) (24, 32, 71, 83) (27, 53) (28, 51, 79, 80) (35, 39, 65, 52) (36, 89, 61, 98) (40, 81) (43, 60, 49, 82) (45, 69, 58, 68) (48, 66) (67, 70, 100, 93) (77, 86) , $s_7=(1, 14)$ (2, 63) (3, 45) (4, 22) (5, 28) (6, 50) (7, 78) (8, 35) (9, 15) (10, 75) (11, 37) (12, 43) (13, 29) (16, 27) (17, 34) (18, 44) (19, 68) (20, 60) (21, 67) (23, 70) (24, 98) (25, 49) (26, 99) (30, 84) (31, 69) (32, 36) (33, 47) (38, 82) (39, 55) (40, 81) (41, 72) (42, 87) (46, 95) (48, 77) (51, 73) (52, 92) (53, 56) (54, 80) (57, 64) (58, 96) (59, 74) (61, 83) (62, 94) (65, 91) (66, 86) (71, 89) (76, 79) (85, 88) (90, 100) (93, 97) , $s_8=(1, 16, 61, 41, 26, 85, 62, 47, 66, 21)$ (2, 36, 7, 71, 11, 64, 93, 74, 18, 24) (3, 43, 69, 91, 30, 6, 58, 92, 51, 35) (4, 17, 42, 90, 40, 13, 9, 53, 77, 70) (5, 20, 19, 49, 79, 95, 75, 82, 80, 39) (8, 45, 12, 31, 65, 84, 50, 96, 52, 73) (10, 38, 54, 55, 28, 60, 68, 25, 76, 46) (14, 27, 83, 72, 99, 88, 94, 33, 86, 67) (15, 56, 48, 23, 22, 34, 87, 100, 81, 29) (32, 78, 89, 37, 57, 97, 59, 44, 98, 63) , $s_9=(1, 61, 26, 62, 66)$ (2, 7, 11, 93, 18) (3, 69, 30, 58, 51) (4, 42, 40, 9, 77) (5, 19, 79, 75, 80) (6, 92, 35, 43, 91) (8, 12, 65, 50, 52) (10, 54, 28, 68, 76) (13, 53, 70, 17, 90) (14, 83, 99, 94, 86) (15, 48, 22, 87, 81) (16, 41, 85, 47, 21) (20, 49, 95, 82, 39) (23, 34, 100, 29, 56) (24, 36, 71, 64, 74) (25, 46, 38, 55, 60) (27, 72, 88, 33, 67) (31, 84, 96, 73, 45) (32, 89, 57, 59, 98) (37, 97, 44, 63, 78) , $s_{10}=(1, 43, 80, 66, 35, 75, 62, 92, 79, 26, 6, 19, 61, 91, 5)$ (2, 36, 78, 18, 24, 63, 93, 74, 44, 11, 64, 97, 7, 71, 37) (3, 38, 83, 51, 46, 14, 58, 25, 86, 30, 60, 94, 69, 55, 99) (4, 9, 42, 77, 40) (8, 20, 27, 52, 39, 67, 50, 82, 33, 65, 95, 88, 12, 49, 72) (10, 16, 31, 76, 21, 45, 68, 47, 73, 28, 85, 96, 54, 41, 84) (13, 34, 87, 90, 23, 22, 17, 56, 48, 70, 29, 15, 53, 100, 81) (32, 59, 89, 98, 57) , $s_{11}=(1, 75, 6)$ (2, 63, 64) (3, 14, 60) (5, 35, 26) (7, 78, 74) (8, 67, 95) (10, 45, 85) (11, 37, 24) (12, 27, 82) (13, 22, 29) (15, 34, 17) (16, 68, 96) (18, 44, 71) (19, 43, 62) (20, 50, 88) (21, 28, 84) (23, 70, 81) (25, 69, 83) (30, 99, 46) (31, 47, 54) (33, 49, 52) (36, 93, 97) (38, 58, 94) (39, 65, 72) (41, 76, 73) (48, 100, 90) (51, 86, 55) (53, 87, 56) (61, 80, 92) (66, 79, 91) , $s_{12}=(1, 19, 23, 84, 81, 82, 52, 53, 38, 45, 10, 4, 72, 77, 32, 86, 98, 85, 50, 42)$ (2, 12, 71, 51, 96, 29, 80, 25, 43, 48, 16, 22, 79, 26, 75, 33, 24, 59, 92, 46) (3, 95, 100, 47, 15, 20, 61, 41, 44, 5) (6, 67, 90, 60, 94, 66, 17, 63, 36, 76, 14, 97, 70, 87, 35, 58, 7, 34, 40, 69) (8, 83, 55, 93, 57, 9, 30, 64, 37, 73) (11, 65, 49, 54, 13, 88, 74, 62, 39, 56, 21, 89, 91, 68, 18, 27, 31, 28, 99, 78) , $s_{13}=(1, 4, 23, 77, 81, 86, 52, 85, 38, 42, 10, 19, 72, 84, 32, 82, 98, 53, 50, 45)$ (2, 22, 71, 26, 96, 33, 80, 59, 43, 46, 16, 12, 79, 51, 75, 29, 24, 25, 92, 48) (3, 95, 100, 47, 15, 20, 61, 41, 44, 5) (6, 97, 90, 87, 94, 58, 17, 34, 36, 69, 14, 67, 70, 60, 35, 66, 7, 63, 40, 76) (8, 83, 55, 93, 57, 9, 30, 64, 37, 73) (11, 89, 49, 68, 13, 27, 74, 28, 39, 78, 21, 65, 91, 54, 18, 88, 31, 62, 99, 56) , $s_{14}=(1, 23, 81, 52, 38, 10, 72, 32, 98, 50)$ (2, 71, 96, 80, 43, 16, 79, 75, 24, 92) (3, 100, 15, 61, 44) (4, 77, 86, 85, 42, 19, 84, 82, 53, 45) (5, 95, 47, 20, 41) (6, 90, 94, 17, 36, 14, 70, 35, 7, 40) (8, 55, 57, 30, 37) (9, 64, 73, 83, 93) (11, 49, 13, 74, 39, 21, 91, 18, 31, 99) (12, 51, 29, 25, 48, 22, 26, 33, 59, 46) (27, 28, 78, 65, 54, 88, 62, 56, 89, 68) (34, 69, 67, 60, 66, 63, 76, 97, 87, 58) , $s_{15}=(1, 81, 38, 72, 98)$ (2, 96, 43,

79, 24) (3, 15, 44, 100, 61) (4, 86, 42, 84, 53) (5, 47, 41, 95, 20) (6, 94, 36, 70, 7) (8, 57, 37, 55, 30) (9, 73, 93, 64, 83) (10, 32, 50, 23, 52) (11, 13, 39, 91, 31) (12, 29, 48, 26, 59) (14, 35, 40, 90, 17) (16, 75, 92, 71, 80) (18, 99, 49, 74, 21) (19, 82, 45, 77, 85) (22, 33, 46, 51, 25) (27, 78, 54, 62, 89) (28, 65, 88, 56, 68) (34, 67, 66, 76, 87) (58, 69, 60, 63, 97) , $s_{16}=(1, 82, 10, 86)$ (2, 29, 16, 33) (3, 20) (4, 98, 19, 52) (5, 15) (6, 66, 14, 58) (7, 67, 17, 97) (8, 9) (11, 88, 21, 27) (12, 80, 22, 24) (13, 56, 18, 78) (23, 53, 72, 85) (25, 79, 59, 71) (26, 92, 51, 43) (28, 49, 62, 91) (30, 83) (31, 65, 74, 89) (32, 42, 81, 45) (34, 90, 63, 70) (35, 69, 94, 76) (36, 87, 40, 60) (37, 93) (38, 77, 50, 84) (39, 68, 99, 54) (41, 100) (44, 47) (46, 96, 48, 75) (55, 64) (57, 73) (61, 95) , $s_{17}=(1, 37, 46, 32, 43, 24, 76)$ (2, 33, 91, 13, 87, 20, 96) (3, 63, 74, 81, 55, 95, 85) (4, 54, 72, 35, 84, 65, 31) (5, 44, 49, 99, 16, 19, 42) (7, 10, 12, 94, 82, 86, 64) (8, 38, 17, 15, 56, 39, 47) (9, 88, 57, 14, 92, 90, 18) (11, 97, 71, 75, 78, 23, 41) (21, 62, 52, 29, 60, 59, 25) (22, 34, 83, 73, 77, 40, 26) (27, 45, 69, 48, 36, 93, 58) (28, 61, 30, 68, 67, 100, 70) (50, 98, 89, 53, 80, 66, 51) , $s_{18}=(1, 87, 46, 96, 20, 51, 78, 32, 42, 89, 74, 86)$ (2, 60, 6, 38, 10, 98, 5, 27, 72, 100, 73, 53) (3, 52, 76, 25, 90, 66) (4, 95, 40, 28, 11, 93) (7, 8, 26, 97, 30, 80, 70, 77, 65, 62, 85, 21) (9, 22, 37, 99, 36, 79, 67, 75, 43, 41, 92, 13) (12, 88, 29, 31, 48, 69, 82, 71, 63, 59, 47, 16) (14, 49, 44, 34, 94, 45) (15, 17, 91, 23, 33, 58, 68, 83, 39, 64, 55, 54) (18, 61, 81, 24) (19, 50, 84, 35) (56, 57) , $s_{19}=(1, 46, 20, 78, 42, 74)$ (2, 6, 10, 5, 72, 73) (3, 76, 90) (4, 40, 11) (7, 26, 30, 70, 65, 85) (8, 97, 80, 77, 62, 21) (9, 37, 36, 67, 43, 92) (12, 29, 48, 82, 63, 47) (13, 22, 99, 79, 75, 41) (14, 44, 94) (15, 91, 33, 68, 39, 55) (16, 88, 31, 69, 71, 59) (17, 23, 58, 83, 64, 54) (18, 81) (19, 84) (24, 61) (25, 66, 52) (27, 100, 53, 60, 38, 98) (28, 93, 95) (32, 89, 86, 87, 96, 51) (34, 45, 49) (35, 50) , $s_{20}=(1, 53, 42, 27, 20, 38)$ (2, 96, 72, 86, 10, 32) (3, 94, 76, 14, 90, 44) (4, 95, 40, 28, 11, 93) (5, 89, 6, 51, 73, 87) (7, 36, 65, 9, 30, 43) (8, 13, 62, 75, 80, 99) (12, 71, 63, 31, 48, 16) (15, 17, 39, 64, 33, 58) (18, 19) (21, 41, 77, 79, 97, 22) (23, 55, 54, 68, 83, 91) (24, 50) (25, 49, 66, 34, 52, 45) (26, 67, 85, 37, 70, 92) (29, 59, 47, 69, 82, 88) (35, 61) (46, 60, 74, 100, 78, 98) (56, 57) (81, 84) , $s_{21}=(1, 5, 22, 79, 61, 90, 59, 33)$ (2, 88, 65, 69, 8, 13, 67, 12) (3, 49) (4, 93, 89, 92, 62, 39, 15, 44) (6, 75, 27, 16, 84, 95, 53, 56) (7, 58, 23, 11, 51, 20, 54, 72) (9, 71, 83, 87, 64, 24, 32, 14) (10, 40, 30, 48) (17, 86, 34, 77) (18, 45, 97, 41, 80, 38, 73, 37) (21, 94, 63, 42, 76, 99, 28, 36) (25, 47, 29, 35, 68, 91, 85, 100) (26, 70, 98, 55, 74, 52, 57, 78) (43, 96) (46, 81, 50, 66) (60, 82) , $s_{22}=(1, 42, 17, 71, 24)$ (2, 96, 70, 54, 25) (3, 66, 47, 41, 83) (4, 5, 26, 46, 6) (7, 68, 90, 60, 73) (8, 44, 99, 22, 97) (9, 36, 49, 34, 20) (10, 91, 84, 23, 78) (11, 12, 82, 13, 35) (14, 79, 98, 55, 92) (15, 18, 93, 32, 65) (19, 27, 58, 38, 43) (21, 77, 69, 57, 85) (28, 48, 87, 89, 86) (29, 40, 37, 72, 88) (30, 52, 62, 39, 75) (31, 61, 56, 64, 45) (33, 50, 94, 95, 67) (51, 100, 59, 63, 80) , $s_{23}=(1, 44, 84, 95, 20, 57, 68, 28, 92, 90, 52)$ (2, 26, 43, 23, 94, 3, 50, 16, 100, 21, 33) (4, 99, 83, 30, 15, 69, 93, 24, 39, 5, 75) (6, 72, 22, 34, 89, 98, 53, 66, 47, 77, 40) (7, 42, 76, 37, 19, 88, 17, 27, 45, 96, 80) (8, 49, 71, 29, 14, 79, 85, 25, 48, 54, 62) (9, 64, 91, 31, 63, 10, 87, 61, 38, 56, 51) (11, 65, 46, 32, 67, 13, 82, 70, 35, 73, 81) (12, 58, 60, 36, 86, 74, 18, 78, 41, 97, 59) , $s_{24}=(1, 84, 20, 68, 92, 52, 44, 95, 57, 28, 90)$ (2, 43, 94, 50, 100, 33, 26, 23, 3, 16, 21) (4, 83, 15, 93, 39, 75, 99, 30, 69, 24, 5) (6, 22, 89, 53, 47, 40, 72, 34, 98, 66, 77) (7, 76, 19, 17, 45, 80, 42, 37, 88, 27, 96) (8, 71, 14, 85, 48, 62, 49, 29, 79, 25, 54) (9, 91, 63, 87, 38, 51, 64, 31, 10, 61, 56) (11, 46, 67, 82, 35, 81, 65, 32, 13, 70, 73) (12, 60, 86, 18, 41, 59, 58, 36, 74, 78, 97).

Obviously, s_1 is the unity element and $G = G^{s_1}$.

The character table of $G^{s_1} = G$:

	10										20									
$\chi_1^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_1^{(2)}$	22	.	2	6	.	2	-2	-2	2	-1	4	-1	-1	1	-3	-6	1	.	.	-2
$\chi_1^{(3)}$	77	-1	1	13	-1	5	1	1	-3	.	5	.	.	-2	2	5	.	-1	1	1
$\chi_1^{(4)}$	154	.	-2	10	.	6	10	.	4	1	1	-2	-2	.	4	-2	.	1	1	1
$\chi_1^{(5)}$	154	-2	2	10	2	-2	-10	.	4	1	1	.	.	.	4	-10	.	-1	1	-1
$\chi_1^{(6)}$	154	2	2	10	-2	-2	-10	.	4	1	1	.	.	.	4	-10	.	-1	1	-1
$\chi_1^{(7)}$	175	1	3	15	1	-1	11	1	5	-1	4	.	.	.	.	15	.	.	.	2
$\chi_1^{(8)}$	231	-1	-1	7	-1	-1	-9	1	1	1	6	.	.	2	6	15	.	.	-2	.
$\chi_1^{(9)}$	693	-1	1	21	-1	5	9	-1	3	.	.	1	1	1	-7	21	.	.	.	1
$\chi_1^{(10)}$	770	.	-2	34	.	2	-10	.	.	.	5	1	1	-1	-5	-14	.	1	1	-1
$\chi_1^{(11)}$	770	.	-2	-14	.	-2	10	.	.	.	5	A	-A	1	-5	-10	.	-1	1	1
$\chi_1^{(12)}$	770	.	-2	-14	.	-2	10	.	.	.	5	-A	A	1	-5	-10	.	-1	1	1
$\chi_1^{(13)}$	825	1	1	25	1	1	9	-1	-5	1	6	.	.	.	.	-15	-1	.	-2	.
$\chi_1^{(14)}$	896	.	.	.	.	.	16	1	1	1	-4	.	.	.	-4	.	.	.	.	-2
$\chi_1^{(15)}$	896	.	.	.	.	.	16	1	1	1	-4	.	.	.	-4	.	.	.	.	-2
$\chi_1^{(16)}$	1056	.	.	32	.	.	.	.	-4	-1	-6	.	.	2	6	.	-1	.	2	.
$\chi_1^{(17)}$	1386	.	-2	-6	.	-2	18	-2	6	.	.	1	1	-1	11	6	.	.	.	.
$\chi_1^{(18)}$	1408	.	.	.	.	.	16	1	-7	-1	4	.	.	.	8	.	1	.	.	-2
$\chi_1^{(19)}$	1750	.	2	-10	.	6	10	.	.	.	-5	.	.	.	.	-10	.	-1	-1	1
$\chi_1^{(20)}$	1925	-1	1	5	-1	-3	1	1	5	-1	-1	.	.	.	.	-35	.	1	-1	1
$\chi_1^{(21)}$	1925	1	-3	5	1	5	-19	1	5	-1	-1	.	.	.	.	5	.	-1	-1	-1
$\chi_1^{(22)}$	2520	.	.	24	.	-8	.	.	.	.	.	-1	-1	-1	-5	24	.	.	.	.
$\chi_1^{(23)}$	2750	.	2	-50	.	2	-10	.	.	.	5	.	.	.	.	10	-1	1	1	-1
$\chi_1^{(24)}$	3200	.	.	.	.	.	-16	-1	-5	1	-4	.	.	.	.	.	1	.	.	2

$\chi_1^{(1)}$	1	1
$\chi_1^{(2)}$	.	.
$\chi_1^{(3)}$	.	.
$\chi_1^{(4)}$	.	.
$\chi_1^{(5)}$	.	.
$\chi_1^{(6)}$	.	.
$\chi_1^{(7)}$	-1	-1
$\chi_1^{(8)}$	.	.
$\chi_1^{(9)}$	.	.
$\chi_1^{(10)}$	.	.
$\chi_1^{(11)}$	.	.
$\chi_1^{(12)}$	.	.
$\chi_1^{(13)}$	.	.
$\chi_1^{(14)}$	B	/B
$\chi_1^{(15)}$	/B	B
$\chi_1^{(16)}$	.	.
$\chi_1^{(17)}$	.	.
$\chi_1^{(18)}$	.	.
$\chi_1^{(19)}$	1	1
$\chi_1^{(20)}$	.	.
$\chi_1^{(21)}$	.	.
$\chi_1^{(22)}$	1	1
$\chi_1^{(23)}$	.	.
$\chi_1^{(24)}$	-1	-1

where $A = -E(20) - E(20)^9 + E(20)^{13} + E(20)^{17} = -ER(-5) = -i5$; $B = E(11)^2 + E(11)^6 + E(11)^7 + E(11)^8 + E(11)^{10} = (-1 - ER(-11))/2 = -1 - b11$.

The generators of G^{s_2} are:

(1, 33, 64, 44, 42, 63, 9, 78)(2, 15, 7, 14, 47, 57, 18, 87)(3, 8, 69, 39, 96, 91, 68, 52)(4, 37, 74, 29, 26, 72, 62, 88)(5, 25, 51, 82, 76, 12, 80, 60)(6, 10, 50, 75)(11, 59, 13, 99, 41, 94, 85, 22)(16, 48, 53, 86)(17, 81)(19, 92, 45, 35, 31, 55, 58, 65)(20, 28, 49, 73, 38, 79, 43, 54)(21, 98, 70, 32, 90, 89, 93, 83)(23, 36, 100, 71, 97, 61, 67, 24)(27, 77, 56, 66)(30, 95, 84, 46)(34, 40),

(1, 2, 64, 7, 42, 47, 9, 18)(3, 65, 69, 92, 96, 35, 68, 55)(4, 41, 74, 85, 26, 11, 62, 13)(5, 43, 51, 20, 76, 49, 80, 38)(6, 75, 50, 10)(8, 19, 39, 45, 91, 31, 52, 58)(12, 73, 60, 79, 25, 54, 82, 28)(14, 63, 57, 78, 87, 33, 15, 44)(16, 77, 53, 66)(17, 40)(21, 71, 70, 61, 90, 24, 93, 36)(22, 72, 59, 88, 99, 37, 94, 29)(23, 83, 100, 98, 97, 32, 67, 89)(27, 48, 56, 86)(30, 46, 84, 95)(34, 81).

The representatives of conjugacy classes of G^{s_2} are:

(1), (1, 2, 64, 7, 42, 47, 9, 18)(3, 65, 69, 92, 96, 35, 68, 55)(4, 41, 74, 85, 26, 11, 62, 13)(5, 43, 51, 20, 76, 49, 80, 38)(6, 75, 50, 10)(8, 19, 39, 45, 91, 31, 52, 58)(12, 73, 60, 79, 25, 54, 82, 28)(14, 63, 57, 78, 87, 33, 15, 44)(16, 77, 53, 66)(17, 40)(21, 71, 70, 61, 90, 24, 93, 36)(22, 72, 59, 88, 99, 37, 94, 29)(23, 83, 100, 98, 97, 32, 67, 89)(27, 48, 56, 86)(30, 46, 84, 95)(34, 81),

(1, 7, 9, 2, 42, 18, 64, 47)(3, 92, 68, 65, 96, 55, 69, 35)(4, 85, 62, 41, 26, 13, 74, 11)(5, 20, 80, 43, 76, 38, 51, 49)(6, 10, 50, 75)(8, 45, 52, 19, 91, 58, 39, 31)(12, 79, 82, 73, 25, 28, 60, 54)(14, 78, 15, 63, 87, 44, 57, 33)(16, 66, 53, 77)(17, 40)(21, 61, 93, 71, 90, 36, 70, 24)(22, 88, 94, 72, 99, 29, 59, 37)(23, 98, 67, 83, 97, 89, 100, 32)(27, 86, 56, 48)(30, 95, 84, 46)(34, 81),

(1, 9, 42, 64)(2, 18, 47, 7)(3, 68, 96, 69)(4, 62, 26, 74)(5, 80, 76, 51)(6, 50)(8, 52, 91, 39)(10, 75)(11, 85, 41, 13)(12, 82, 25, 60)(14, 15, 87, 57)(16, 53)(19, 58, 31, 45)(20, 43, 38, 49)(21, 93, 90, 70)(22, 94, 99, 59)(23, 67, 97, 100)(24, 61, 71, 36)(27, 56)(28, 54, 79, 73)(29, 37, 88, 72)(30, 84)(32, 98, 83, 89)(33, 78, 63, 44)(35, 92, 65, 55)(46, 95)(48, 86)(66, 77),

(1,14)(2,63)(3,45)(4,22)(5,28)(6,50)(7,78)(8,35)(9,15)(10,75)(11,37)(12,43)(13, 29)(16,27)(17,34)(18,44)
 (19,68)(20,60)(21,67)(23,70)(24,98)(25,49)(26,99)(30, 84)(31,69)(32,36)(33,47)(38,82)(39,55)(40,81)(41,72)
 (42,87)(46,95)(48,77)(51, 73)(52,92)(53,56)(54,80)(57,64)(58,96)(59,74)(61,83)(62,94)(65,91)(66,86)(71, 89)
 (76,79)(85,88)(90,100)(93,97),
 (1,15,42,57)(2,44,47,78)(3,19,96,31)(4,94, 26,59)(5,54,76,73)(7,63,18,33)(8,92,91,55)(9,87,64,14)(11,88,41,
 29)(12,38,25, 20)(13,37,85,72)(16,56)(17,34)(21,97,90,23)(22,62,99,74)(24,83,71,32)(27,53)(28, 80,79,51)(35,
 52,65,39)(36,98,61,89)(40,81)(43,82,49,60)(45,68,58,69)(48,66)(67, 93,100,70)(77,86),
 (1,18,9,47,42,7,64,2)(3,55,68,35,96,92,69,65)(4,13,62,11, 26,85,74,41)(5,38,80,49,76,20,51,43)(6,10,50,75)
 (8,58,52,31,91,45,39,19)(12,28, 82,54,25,79,60,73)(14,44,15,33,87,78,57,63)(16,66,53,77)(17,40)(21,36,93,24,90,
 61,70,71)(22,29,94,37,99,88,59,72)(23,89,67,32,97,98,100,83)(27,86,56,48)(30,95, 84,46)(34,81),
 (1,33,64,44,42,63,9,78)(2,15,7,14,47,57,18,87)(3,8,69,39,96,91, 68,52)(4,37,74,29,26,72,62,88)(5,25,51,82,76,
 12,80,60)(6,10,50,75)(11,59,13,99, 41,94,85,22)(16,48,53,86)(17,81)(19,92,45,35,31,55,58,65)(20,28,49,73,38,79,
 43, 54)(21,98,70,32,90,89,93,83)(23,36,100,71,97,61,67,24)(27,77,56,66)(30,95,84, 46)(34,40),
 (1,42)(2,47)(3,96)(4,26)(5,76)(7,18)(8,91)(9,64)(11,41)(12,25)(13, 85)(14,87)(15,57)(19,31)(20,38)(21,90)
 (22,99)(23,97)(24,71)(28,79)(29,88)(32, 83)(33,63)(35,65)(36,61)(37,72)(39,52)(43,49)(44,78)(45,58)(51,80)(54,
 73)(55, 92)(59,94)(60,82)(62,74)(67,100)(68,69)(70,93)(89,98),
 (1,44,9,33,42,78,64,63)(2,14,18,15,47,87,7,57)(3,39,68,8,96,52,69,91)(4,29,62,37, 26,88,74,72)(5,82,80,25,76,
 60,51,12)(6,75,50,10)(11,99,85,59,41,22,13,94)(16,86, 53,48)(17,81)(19,35,58,92,31,65,45,55)(20,73,43,28,38,54,
 49,79)(21,32,93,98,90, 83,70,89)(23,71,67,36,97,24,100,61)(27,66,56,77)(30,46,84,95)(34,40),
 (1,47,64,18,42,2,9,7)(3,35,69,55,96,65,68,92)(4,11,74,13,26,41,62,85)(5,49,51,38, 76,43,80,20)(6,75,50,10)
 (8,31,39,58,91,19,52,45)(12,54,60,28,25,73,82,79)(14,33, 57,44,87,63,15,78)(16,77,53,66)(17,40)(21,24,70,36,90,
 71,93,61)(22,37,59,29,99, 72,94,88)(23,32,100,89,97,83,67,98)(27,48,56,86)(30,46,84,95)(34,81),
 (1,57,42,15)(2,78,47,44)(3,31,96,19)(4,59,26,94)(5,73,76,54)(7,33,18,63)(8,55,91, 92)(9,14,64,87)(11,29,41,
 88)(12,20,25,38)(13,72,85,37)(16,56)(17,34)(21,23,90, 97)(22,74,99,62)(24,32,71,83)(27,53)(28,51,79,80)(35,39,
 65,52)(36,89,61,98)(40, 81)(43,60,49,82)(45,69,58,68)(48,66)(67,70,100,93)(77,86),
 (1,63,64,78,42,33,9,44)(2,57,7,87,47,15,18,14)(3,91,69,52,96,8,68,39)(4,72,74,88, 26,37,62,29)(5,12,51,60,76,
 25,80,82)(6,10,50,75)(11,94,13,22,41,59,85,99)(16,48, 53,86)(17,81)(19,55,45,65,31,92,58,35)(20,79,49,54,38,28,
 43,73)(21,89,70,83,90, 98,93,32)(23,61,100,24,97,36,67,71)(27,77,56,66)(30,95,84,46)(34,40),
 (1,64,42,9)(2,7,47,18)(3,69,96,68)(4,74,26,62)(5,51,76,80)(6,50)(8,39,91,52)(10, 75)(11,13,41,85)(12,60,25,
 82)(14,57,87,15)(16,53)(19,45,31,58)(20,49,38,43)(21, 70,90,93)(22,59,99,94)(23,100,97,67)(24,36,71,61)(27,56)
 (28,73,79,54)(29,72,88, 37)(30,84)(32,89,83,98)(33,44,63,78)(35,55,65,92)(46,95)(48,86)(66,77),
 (1,78,9,63,42,44,64,33)(2,87,18,57,47,14,7,15)(3,52,68,91,96,39,69,8)(4,88,62,72, 26,29,74,37)(5,60,80,12,76,
 82,51,25)(6,75,50,10)(11,22,85,94,41,99,13,59)(16,86, 53,48)(17,81)(19,65,58,55,31,35,45,92)(20,54,43,79,38,73,
 49,28)(21,83,93,89,90, 32,70,98)(23,24,67,61,97,71,100,36)(27,66,56,77)(30,46,84,95)(34,40),
 (1,87)(2,33)(3,58)(4,99)(5,79)(6,50)(7,44)(8,65)(9,57)(10,75)(11,72)(12,49)(13, 88)(14,42)(15,64)(16,27)(17,
 34)(18,78)(19,69)(20,82)(21,100)(22,26)(23,93)(24, 89)(25,43)(28,76)(29,85)(30,84)(31,68)(32,61)(35,91)(36,83)
 (37,41)(38,60)(39, 92)(40,81)(45,96)(46,95)(47,63)(48,77)(51,54)(52,55)(53,56)(59,62)(66,86)(67, 90)(70,97)(71,
 98)(73,80)(74,94).

The character table of G^{s_2} :

	10															
$\chi_2^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_2^{(2)}$	1	-1	-1	1	-1	-1	1	1	1	-1	-1	1	1	1	1	-1
$\chi_2^{(3)}$	1	-1	-1	1	1	1	-1	-1	1	-1	-1	1	-1	1	-1	1
$\chi_2^{(4)}$	1	1	1	1	-1	-1	1	-1	1	-1	1	-1	-1	1	-1	-1
$\chi_2^{(5)}$	1	A	-A	-1	-1	1	-A	-A	1	A	A	1	-A	-1	A	-1
$\chi_2^{(6)}$	1	-A	A	-1	-1	1	A	A	1	-A	-A	1	A	-1	-A	-1
$\chi_2^{(7)}$	1	A	-A	-1	1	-1	-A	A	1	-A	A	-1	A	-1	-A	1
$\chi_2^{(8)}$	1	-A	A	-1	1	-1	A	-A	1	A	-A	-1	-A	-1	A	1
$\chi_2^{(9)}$	1	B	-/B	A	-1	-A	/B	B	-1	-/B	-B	A	-B	-A	/B	1
$\chi_2^{(10)}$	1	-/B	B	-A	-1	A	-B	-/B	-1	B	/B	-A	/B	A	-B	1
$\chi_2^{(11)}$	1	/B	-B	-A	-1	A	B	/B	-1	-B	-/B	-A	-/B	A	B	1
$\chi_2^{(12)}$	1	-B	/B	A	-1	-A	-/B	-B	-1	/B	B	A	B	-A	-/B	1
$\chi_2^{(13)}$	1	B	-/B	A	1	A	/B	-B	-1	/B	-B	-A	B	-A	-/B	-1
$\chi_2^{(14)}$	1	-/B	B	-A	1	-A	-B	/B	-1	-B	/B	A	-/B	A	B	-1
$\chi_2^{(15)}$	1	/B	-B	-A	1	-A	B	-/B	-1	B	-/B	A	/B	A	-B	-1
$\chi_2^{(16)}$	1	-B	/B	A	1	A	-/B	B	-1	-/B	B	-A	-B	-A	/B	-1

where $A = -E(4) = -ER(-1) = -i$; $B = -E(8)$.

The generators of G^{s_3} are:

(1, 64, 42, 9)(2, 7, 47, 18)(3, 69, 96, 68)(4, 74, 26, 62) (5, 51, 76, 80)(6, 50)(8, 39, 91, 52)(10, 75)(11, 13, 41, 85) (12, 60, 25, 82)(14, 57, 87, 15)(16, 53)(19, 45, 31, 58)(20, 49, 38, 43) (21, 70, 90, 93)(22, 59, 99, 94)(23,100, 97, 67)(24, 36, 71, 61)(27, 56) (28, 73, 79, 54)(29, 72, 88, 37)(30, 84)(32, 89, 83, 98)(33, 44, 63, 78) (35, 55, 65, 92)(46, 95)(48, 86)(66, 77), (1, 2, 64, 7, 42, 47, 9, 18) (3, 65, 69, 92, 96, 35, 68, 55)(4, 41, 74, 85, 26, 11, 62, 13) (5, 43, 51, 20, 76, 49, 80, 38)(6, 75, 50, 10)(8, 19, 39, 45, 91, 31, 52, 58)(12, 73, 60, 79, 25, 54, 82, 28)(14, 63, 57, 78, 87, 33, 15, 44) (16, 77, 53, 66)(17, 40)(21, 71, 70, 61, 90, 24, 93, 36)(22, 72, 59, 88, 99, 37, 94, 29)(23, 83,100, 98, 97, 32, 67, 89)(27, 48, 56, 86)(30, 46, 84, 95) (34, 81), (1, 3, 61, 60)(2, 54, 21, 55)(4, 26)(5, 97, 91, 44) (6, 10, 84, 46)(7, 28, 70, 65)(8, 78, 76, 23)(9, 68, 71, 12) (11, 85, 41, 13)(14, 58, 83, 38)(15, 31, 89, 49)(17, 34)(18, 79, 93, 35) (19, 98, 43, 57)(20, 87, 45, 32)(24, 25, 64, 69)(29, 72, 88, 37) (30, 95, 50, 75)(33, 80,100, 39)(36, 82, 42, 96)(40, 81)(47, 73, 90, 92) (48, 86)(51, 67, 52, 63)(62, 74)(66, 77), (1, 5, 42, 76)(2, 58, 47, 45) (3, 33, 96, 63)(4, 72, 26, 37)(6, 30)(7, 19, 18, 31)(8, 36, 91, 61) (9, 80, 64, 51)(11, 99, 41, 22)(12, 97, 25, 23)(13, 94, 85, 59) (14, 79, 87, 28)(15, 73, 57, 54)(16, 48)(17, 40)(20, 90, 38, 21) (24, 39, 71, 52)(27, 77)(29, 74, 88, 62)(32, 35, 83, 65)(34, 81) (43, 70, 49, 93)(44, 68, 78, 69)(50, 84)(53, 86)(55, 98, 92, 89)(56, 66) (60, 67, 82,100).

The representatives of conjugacy classes of G^{s_3} are:

(1), (1,2,64,7,42,47,9,18)(3,65,69,92,96,35,68,55)(4,41,74,85,26,11,62,13)(5,43,51,20,76,49,80,38)(6,75,50,10)(8,19,39,45,91,31,52,58)(12,73,60,79,25,54,82,28)(14,63,57,78,87,33,15,44)(16,77,53,66)(17,40)(21,71,70,61,90,24,93,36)(22,72,59,88,99,37,94,29)(23,83,100,98,97,32,67,89)(27,48,56,86)(30,46,84,95)(34,81),
(1,3,61,60)(2,54,21,55)(4,26)(5,97,91,44)(6,10,84,46)(7,28,70,65)(8,78,76,23)(9,68,71,12)(11,85,41,13)(14,58,83,38)(15,31,89,49)(17,34)(18,79,93,35)(19,98,43,57)(20,87,45,32)(24,25,64,69)(29,72,88,37)(30,95,50,75)(33,80,100,39)(36,82,42,96)(40,81)(47,73,90,92)(48,86)(51,67,52,63)(62,74)(66,77),
(1,5,42,76)(2,58,47,45)(3,33,96,63)(4,72,26,37)(6,30)(7,19,18,31)(8,36,91,61)(9,80,64,51)(11,99,41,22)(12,97,25,23)(13,94,85,59)(14,79,87,28)(15,73,57,54)(16,48)(17,40)(20,90,38,21)(24,39,71,52)(27,77)(29,74,88,62)(32,35,83,65)(34,81)(43,70,49,93)(44,68,78,69)(50,84)(53,86)(55,98,92,89)(56,66)(60,67,82,100),
(1,7,9,2,42,18,64,47)(3,92,68,65,96,55,69,35)(4,85,62,41,26,13,74,11)(5,20,80,43,76,38,51,49)(6,10,50,75)(8,45,52,19,91,58,39,31)(12,79,82,73,25,28,60,54)(14,78,15,63,87,44,57,33)(16,66,53,77)(17,40)(21,61,93,71,90,36,70,24)(22,88,94,72,99,29,59,37)(23,98,67,83,97,89,100,32)(27,86,56,48)(30,95,84,46)(34,81),

(1,8)(2,20)(3,67)(4,72)(5,61)(6,50)(7,49)(9,52)(10,46)(11,22)(12,78)(13,59)(14,65)(15,55)(16,48)(17,40)(18,43)
(19,70)(21,58)(23,69)(24,51)(25,44)(26,37)(27,77)(28,32)(29,62)(30,84)(31,93)(33,60)(34,81)(35,87)(36,76)(38,47)
(39,64)(41,99)(42,91)(45,90)(53,86)(54,98)(56,66)(57,92)(63,82)(68,97)(71,80)(73,89)(74,88)(75,95)(79,83)(85,94)
(96,100),

(1,9,42,64)(2,18,47,7)(3,68,96,69)(4,62,26,74)(5,80,76,51)(6,50)(8,52,91,39)(10,75)(11,85,41,13)(12,82,25,60)
(14,15,87,57)(16,53)(19,58,31,45)(20,43,38,49)(21,93,90,70)(22,94,99,59)(23,67,97,100)(24,61,71,36)(27,56)(28,54,
79,73)(29,37,88,72)(30,84)(32,98,83,89)(33,78,63,44)(35,92,65,55)(46,95)(48,86)(66,77),

(1,14)(2,63)(3,45)(4,22)(5,28)(6,50)(7,78)(8,35)(9,15)(10,75)(11,37)(12,43)(13,29)(16,27)(17,34)(18,44)(19,68)
(20,60)(21,67)(23,70)(24,98)(25,49)(26,99)(30,84)(31,69)(32,36)(33,47)(38,82)(39,55)(40,81)(41,72)(42,87)(46,95)
(48,77)(51,73)(52,92)(53,56)(54,80)(57,64)(58,96)(59,74)(61,83)(62,94)(65,91)(66,86)(71,89)(76,79)(85,88)(90,100)
(93,97),

(1,15,42,57)(2,44,47,78)(3,19,96,31)(4,94,26,59)(5,54,76,73)(7,63,18,33)(8,92,91,55)(9,87,64,14)(11,88,41,29)
(12,38,25,20)(13,37,85,72)(16,56)(17,34)(21,97,90,23)(22,62,99,74)(24,83,71,32)(27,53)(28,80,79,51)(35,52,65,39)
(36,98,61,89)(40,81)(43,82,49,60)(45,68,58,69)(48,66)(67,93,100,70)(77,86),

(1,19,61,43)(2,76,21,8)(3,89,60,15)(4,59)(5,90,91,47)(6,10,84,46)(7,80,70,39)(9,58,71,38)(11,72,41,37)(12,87,68,
32)(13,88,85,29)(14,69,83,25)(16,56)(18,51,93,52)(20,64,45,24)(22,62)(23,92,78,73)(26,94)(27,53)(28,67,65,63)(30,
95,50,75)(31,36,49,42)(33,79,100,35)(44,54,97,55)(48,77)(57,96,98,82)(66,86)(74,99),

(1,23,64,100,42,97,9,67)(2,32,7,89,47,83,18,98)(3,51,69,76,96,80,68,5)(4,29,74,72,26,88,62,37)(6,95,50,46)(8,60,
39,25,91,82,52,12)(10,84,75,30)(11,22,13,59,41,99,85,94)(14,70,57,90,87,93,15,21)(16,86,53,48)(17,81)(19,28,45,73,
31,79,58,54)(20,55,49,65,38,92,43,35)(24,63,36,78,71,33,61,44)(27,66,56,77)(34,40),

(1,24,42,71)(2,70,47,93)(3,25,96,12)(4,74,26,62)(5,52,76,39)(6,30)(7,90,18,21)(8,80,91,51)(9,61,64,36)(10,95)
(11,85,41,13)(14,98,87,89)(15,83,57,32)(16,53)(19,20,31,38)(22,59,99,94)(23,33,97,63)(27,56)(28,92,79,55)(29,37,
88,72)(35,54,65,73)(43,45,49,58)(44,67,78,100)(46,75)(48,86)(50,84)(60,69,82,68)(66,77),

(1,28)(2,96)(3,47)(4,41)(5,87)(6,84)(7,68)(8,32)(9,54)(10,75)(11,26)(12,93)(13,62)(14,76)(15,51)(16,77)(17,81)
(18,69)(19,44)(20,100)(21,60)(22,37)(23,43)(24,55)(25,70)(27,48)(29,59)(30,50)(31,78)(33,58)(34,40)(35,61)(36,65)
(38,67)(39,89)(42,79)(45,63)(46,95)(49,97)(52,98)(53,66)(56,86)(57,80)(64,73)(71,92)(72,99)(74,85)(82,90)(83,91)
(88,94),

(1,32)(2,100)(3,38)(4,99)(5,35)(6,30)(7,97)(8,28)(9,98)(10,95)(11,37)(12,31)(13,29)(14,36)(15,24)(16,27)(17,34)
(18,23)(19,25)(20,96)(21,33)(22,26)(39,73)(40,81)(41,72)(42,83)(43,69)(44,70)(45,82)(46,75)(47,67)(48,77)(49,68)
(50,84)(51,55)(52,54)(53,56)(57,71)(58,60)(59,62)(61,87)(63,90)(64,89)(65,76)(66,86)(74,94)(78,93)(79,91)(80,92)
(85,88),

(1,35,42,65)(2,60,47,82)(3,21,96,90)(4,41,26,11)(5,83,76,32)(7,25,18,12)(8,14,91,87)(9,92,64,55)(10,95)(13,74,85,
62)(15,39,57,52)(16,77)(17,81)(19,23,31,97)(20,63,38,33)(22,37,99,72)(24,73,71,54)(27,48)(28,36,79,61)(29,94,88,59)
(34,40)(43,44,49,78)(45,100,58,67)(46,75)(51,98,80,89)(53,66)(56,86)(68,93,69,70),

(1,36)(2,90)(3,82)(4,26)(5,8)(6,84)(7,93)(9,24)(10,46)(12,69)(14,32)(15,98)(18,70)(19,49)(20,58)(21,47)(22,99)
(23,44)(25,68)(28,35)(30,50)(31,43)(33,67)(38,45)(39,51)(42,61)(52,80)(54,92)(55,73)(57,89)(59,94)(60,96)(62,74)
(63,100)(64,71)(65,79)(75,95)(76,91)(78,97)(83,87),

(1,42)(2,47)(3,96)(4,26)(5,76)(7,18)(8,91)(9,64)(11,41)(12,25)(13,85)(14,87)(15,57)(19,31)(20,38)(21,90)(22,
99)(23,97)(24,71)(28,79)(29,88)(32,83)(33,63)(35,65)(36,61)(37,72)(39,52)(43,49)(44,78)(45,58)(51,80)(54,73)(55,
92)(59,94)(60,82)(62,74)(67,100)(68,69)(70,93)(89,98),

(1,43,61,19)(2,8,21,76)(3,15,60,89)(4,59)(5,47,91,90)(6,46,84,10)(7,39,70,80)(9,38,71,58)(11,37,41,72)(12,32,
68,87)(13,29,85,88)(14,25,83,69)(16,56)(18,52,93,51)(20,24,45,64)(22,62)(23,73,78,92)(26,94)(27,53)(28,63,65,
67)(30,75,50,95)(31,42,49,36)(33,35,100,79)(44,55,97,54)(48,77)(57,82,98,96)(66,86)(74,99),

(1,44,9,33,42,78,64,63)(2,14,18,15,47,87,7,57)(3,39,68,8,96,52,69,91)(4,29,62,37,26,88,74,72)(5,82,80,25,76,60,
51,12)(6,75,50,10)(11,99,85,59,41,22,13,94)(16,86,53,48)(17,81)(19,35,58,92,31,65,45,55)(20,73,43,28,38,54,49,
79)(21,32,93,98,90,83,70,89)(23,71,67,36,97,24,100,61)(27,66,56,77)(30,46,84,95)(34,40),

(1,60,61,3)(2,55,21,54)(4,26)(5,44,91,97)(6,46,84,10)(7,65,70,28)(8,23,76,78)(9,12,71,68)(11,13,41,85)(14,38,83,58)(15,49,89,31)(17,34)(18,35,93,79)(19,57,43,98)(20,32,45,87)(24,69,64,25)(29,37,88,72)(30,75,50,95)(33,39,100,80)(36,96,42,82)(40,81)(47,92,90,73)(48,86)(51,63,52,67)(62,74)(66,77),

(1,64,42,9)(2,7,47,18)(3,69,96,68)(4,74,26,62)(5,51,76,80)(6,50)(8,39,91,52)(10,75)(11,13,41,85)(12,60,25,82)(14,57,87,15)(16,53)(19,45,31,58)(20,49,38,43)(21,70,90,93)(22,59,99,94)(23,100,97,67)(24,36,71,61)(27,56)(28,73,79,54)(29,72,88,37)(30,84)(32,89,83,98)(33,44,63,78)(35,55,65,92)(46,95)(48,86)(66,77),

(1,89,42,98)(2,97,47,23)(3,43,96,49)(4,94,26,59)(5,55,76,92)(6,84)(7,67,18,100)(8,73,91,54)(9,32,64,83)(10,46)(11,29,41,88)(12,58,25,45)(13,72,85,37)(14,71,87,24)(15,36,57,61)(16,56)(17,34)(19,82,31,60)(20,68,38,69)(21,44,90,78)(22,62,99,74)(27,53)(28,39,79,52)(30,50)(33,70,63,93)(35,51,65,80)(40,81)(48,66)(75,95)(77,86).

The character table of G^{s_3} :

	10										20									
$\chi_3^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_3^{(2)}$	1	-1	-1	-1	-1	-1	1	-1	-1	1	1	1	-1	1	1	1	1	-1	1	-1
$\chi_3^{(3)}$	1	-1	-1	1	-1	1	1	1	1	-1	-1	1	1	1	1	1	-1	-1	-1	1
$\chi_3^{(4)}$	1	-1	1	-1	-1	-1	1	1	1	1	-1	1	-1	1	-1	1	1	-1	1	1
$\chi_3^{(5)}$	1	-1	1	1	-1	1	1	-1	-1	-1	1	1	-1	-1	-1	1	1	-1	1	-1
$\chi_3^{(6)}$	1	1	-1	-1	1	-1	1	1	1	-1	1	1	-1	1	-1	1	1	-1	1	1
$\chi_3^{(7)}$	1	1	-1	1	1	1	1	-1	-1	1	-1	1	-1	-1	1	1	1	-1	-1	1
$\chi_3^{(8)}$	1	1	1	-1	1	-1	1	-1	-1	-1	1	1	-1	1	1	1	-1	-1	1	-1
$\chi_3^{(9)}$	1	A	A	-1	-A	1	-1	-1	1	A	-A	1	1	1	-1	-1	1	-A	A	-A
$\chi_3^{(10)}$	1	-A	-A	-1	A	1	-1	-1	1	-A	A	1	1	1	-1	-1	1	A	-A	A
$\chi_3^{(11)}$	1	A	A	1	-A	-1	-1	1	-1	-A	A	1	1	-1	-1	-1	1	A	-A	-A
$\chi_3^{(12)}$	1	-A	-A	1	A	-1	-1	1	-1	A	-A	1	1	-1	-1	-1	1	-A	A	A
$\chi_3^{(13)}$	1	A	-A	-1	-A	1	-1	1	-1	A	A	1	-1	-1	1	-1	1	-A	-A	A
$\chi_3^{(14)}$	1	-A	A	-1	A	1	-1	1	-1	-A	-A	1	-1	-1	1	-1	1	A	A	-A
$\chi_3^{(15)}$	1	A	-A	1	-A	-1	-1	-1	1	-A	-A	1	-1	1	1	-1	1	A	A	A
$\chi_3^{(16)}$	1	-A	A	1	A	-1	-1	-1	1	A	A	1	-1	1	1	-1	1	-A	-A	-A
$\chi_3^{(17)}$	2	.	.	.	.	.	-2	-2	2	.	.	-2	.	-2	.	2	2	.	.	-2
$\chi_3^{(18)}$	2	.	.	.	.	.	-2	2	-2	.	.	-2	.	2	.	2	2	.	.	-2
$\chi_3^{(19)}$	2	.	.	.	.	.	2	-2	-2	.	.	-2	.	2	.	-2	2	.	.	2
$\chi_3^{(20)}$	2	.	.	.	.	.	2	2	2	.	.	-2	.	-2	.	-2	2	.	.	-2
$\chi_3^{(21)}$	4	.	.	.	.	.	B	.	.	.	.	.	.	.	.	-4	.	.	.	-B
$\chi_3^{(22)}$	4	.	.	.	.	.	-B	.	.	.	.	.	.	.	.	-4	.	.	.	B

where $A = -E(4) = -ER(-1) = -i$; $B = -4^*E(4) = -4^*ER(-1) = -4i$.

The generators of G^{s_4} are:

(1, 42)(2, 47)(3, 96)(4, 26)(5, 76)(7, 18)(8, 91)(9, 64)(11, 41)(12, 25)(13, 85)(14, 87)(15, 57)(19, 31)(20, 38)(21, 90)(22, 99)(23, 97)(24, 71)(28, 79)(29, 88)(32, 83)(33, 63)(35, 65)(36, 61)(37, 72)(39, 52)(43, 49)(44, 78)(45, 58)(51, 80)(54, 73)(55, 92)(59, 94)(60, 82)(62, 74)(67,100)(68, 69)(70, 93)(89, 98), (3, 22, 67)(4, 65, 71)(5, 78, 54)(6, 40, 77)(7, 49, 74)(8, 55, 21)(9, 11, 52)(10, 48, 56)(12, 20, 61)(13, 70, 60)(14, 59, 51)(15, 58, 68)(16, 46, 66)(17, 50, 53)(18, 43, 62)(19, 72, 63)(24, 26, 35)(25, 38, 36)(27, 34, 30)(28, 32, 29)(31, 37, 33)(39, 64, 41)(44, 73, 76)(45, 69, 57)(79, 83, 88)(80, 87, 94)(81, 86, 84)(82, 85, 93)(90, 91, 92)(96, 99,100), (2, 4, 63)(3, 14, 60)(5, 37, 52)(6, 75, 77)(7, 78, 74)(8, 29, 51)(10, 50, 66)(11, 35, 54)(12, 15, 68)(13, 28, 55)(16, 34, 53)(17, 27, 56)(18, 44, 62)(19, 43, 71)(20, 45, 61)(21, 22, 67)(23, 59, 70)(24, 31, 49)(25, 57, 69)(26, 33, 47)(30, 48, 46)(36, 38, 58)(39, 76, 72)(41, 65, 73)(79, 92, 85)(80, 91, 88)(82, 96, 87)(84, 95, 86)(90, 99,100)(93, 97, 94), (2, 5)(3, 13)(4, 9)(7, 18)(10, 16)(11, 19)(12, 20)(14, 22)(23, 55)(24, 62)(25, 38)(26, 64)(27, 50)(29, 60)(30, 53)(31, 41)(32, 59)(33, 65)(35, 63)(36, 61)(37, 43)(39, 52)(40, 77)(44, 78)(

45, 68) (46, 56)(47, 76)(49, 72)(51, 70)(54, 73)(58, 69)(71, 74)(80, 93) (81, 86)(82, 88)(83, 94)(85, 96)(87, 99)(89, 98)(92, 97), (1, 2)(4, 13)(5, 15)(6, 17)(7, 18)(8, 20)(12, 21)(14, 19)(23, 89) (24, 82)(25, 90)(26, 85)(27, 86)(28, 79)(29, 88)(30, 81)(31, 87) (32, 83)(33, 80)(34, 84)(35, 93)(36, 92)(37, 94)(38, 91)(40, 50) (42, 47)(43, 49)(44, 45)(51, 63)(53, 77)(54, 68)(55, 61)(57, 76) (58, 78)(59, 72)(60, 71)(62, 74)(65, 70)(69, 73)(97, 98). The representatives of conjugacy classes of G^{s_4} are:

(1), (1,42)(2,47)(3,96)(4,26)(5,76)(7,18)(8,91)(9,64)(11,41)(12,25)(13,85)(14,87)(15,57)(19,31)(20,38)(21,90)(22,99)(23,97)(24,71)(28,79)(29,88)(32,83)(33,63)(35,65)(36,61)(37,72)(39,52)(43,49)(44,78)(45,58)(51,80)(54,73)(55,92)(59,94)(60,82)(62,74)(67,100)(68,69)(70,93)(89,98),

(2,76)(3,60)(4,62)(5,47)(7,52)(8,21)(9,24)(10,46)(11,37)(12,25)(13,29)(14,32)(16,56)(18,39)(19,43)(20,38)(22,59)(23,55)(26,74)(27,53)(28,67)(30,50)(31,49)(33,35)(41,72)(44,73)(45,58)(51,70)(54,78)(63,65)(64,71)(68,69)(79,100)(80,93)(82,96)(83,87)(85,88)(90,91)(92,97)(94,99),

(1,15,42,57)(2,73,47,54)(3,43,96,49)(4,99,26,22)(5,78,76,44)(7,65,18,35)(8,97,91,23)(9,83,64,32)(10,46)(11,85,41,13)(12,20,25,38)(14,24,87,71)(17,34)(19,82,31,60)(21,92,90,55)(28,93,79,70)(29,37,88,72)(30,50)(33,52,63,39)(36,98,61,89)(40,81)(45,69,58,68)(48,66)(51,67,80,100)(59,62,94,74)(77,86),

(1,98,42,89)(2,23,47,97)(3,49,96,43)(4,59,26,94)(5,92,76,55)(6,84)(7,100,18,67)(8,54,91,73)(9,83,64,32)(10,46)(11,88,41,29)(12,45,25,58)(13,37,85,72)(14,24,87,71)(15,61,57,36)(16,56)(17,34)(19,60,31,82)(20,69,38,68)(21,78,90,44)(22,74,99,62)(27,53)(28,52,79,39)(30,50)(33,93,63,70)(35,80,65,51)(40,81)(48,66)(75,95)(77,86),

(2,54)(3,51)(4,37)(5,76)(6,40)(7,19)(8,23)(9,63)(11,41)(12,61)(13,59)(14,28)(15,45)(16,48)(17,30)(18,31)(20,38)(24,39)(25,36)(26,72)(32,70)(33,64)(34,50)(35,43)(44,78)(47,73)(49,65)(52,71)(56,66)(57,58)(60,67)(62,74)(79,87)(80,96)(81,84)(82,100)(83,93)(85,94)(89,98)(91,97),

(2,78,73,5)(3,70,14,67)(4,11,72,74)(6,40)(7,43,33,71)(8,55,23,21)(9,65,31,39)(10,46)(12,61,25,36)(13,22,59,29)(15,58,57,45)(16,48,56,66)(17,50,34,30)(18,49,63,24)(19,52,64,35)(26,41,37,62)(27,53)(28,32,51,60)(44,54,76,47)(68,69)(79,83,80,82)(81,84)(85,99,94,88)(87,100,96,93)(89,98)(90,91,92,97),

(1,57,69,58)(2,44,73,5)(3,51,64,33)(4,94)(6,81,84,40)(7,87,28,31)(8,55,23,90)(9,63,96,80)(11,22,41,99)(12,89,36,20)(13,72)(14,79,19,18)(15,68,45,42)(16,48)(17,50,34,30)(21,91,92,97)(24,52,60,100)(25,98,61,38)(26,59)(27,53)(29,74,88,62)(32,70,49,65)(35,83,93,43)(37,85)(39,82,67,71)(47,78,54,76)(56,66)(77,86),

(1,20)(2,23)(3,70)(4,13)(5,21)(6,40)(7,71)(8,73)(9,35)(10,46)(11,29)(12,45)(14,67)(15,36)(16,66)(17,30)(18,24)(19,39)(22,74)(25,58)(26,85)(27,53)(28,82)(31,52)(32,80)(33,43)(34,50)(37,94)(38,42)(41,88)(44,92)(47,97)(48,56)(49,63)(51,83)(54,91)(55,78)(57,61)(59,72)(60,79)(62,99)(64,65)(68,98)(69,89)(75,95)(76,90)(77,86)(81,84)(87,100)(93,96),

(2,41,73,62)(3,51,14,28)(4,76,72,44)(5,37,78,26)(6,40)(7,31,33,9)(8,22,23,29)(11,54,74,47)(12,45,25,58)(13,21,59,55)(15,61,57,36)(16,30,56,50)(17,48,34,66)(18,19,63,64)(20,38)(24,52,49,35)(32,67,60,70)(39,43,65,71)(68,69)(75,77)(79,96,80,87)(81,84)(82,93,83,100)(85,90,94,92)(86,95)(88,91,99,97),

(2,72,73,4)(3,70,14,67)(5,11,78,74)(6,40)(7,49,33,24)(8,59,23,13)(9,52,31,35)(10,46)(12,58,25,45)(15,61,57,36)(16,50,56,30)(17,48,34,66)(18,43,63,71)(19,65,64,39)(21,22,55,29)(26,47,37,54)(27,53)(28,60,51,32)(41,44,62,76)(75,77)(79,82,80,83)(81,84)(85,91,94,97)(86,95)(87,100,96,93)(88,90,99,92),

(1,42)(2,37,73,26)(3,93,14,100)(4,47,72,54)(5,41,78,62)(6,40)(7,43,33,71)(8,94,23,85)(9,39,31,65)(10,46)(11,44,74,76)(12,45,25,58)(13,91,59,97)(15,36,57,61)(16,50,56,30)(17,48,34,66)(18,49,63,24)(19,35,64,52)(20,38)(21,99,55,88)(22,92,29,90)(27,53)(28,82,51,83)(32,79,60,80)(67,96,70,87)(68,69)(75,77)(81,84)(86,95)(89,98),

(1,57,98,36,42,15,89,61)(2,22,55,26,47,99,92,4)(3,51,31,33,96,80,19,63)(5,94,97,62,76,59,23,74)(6,81,84,40)(7,14,79,9,18,87,28,64)(8,41,78,13,91,11,44,85)(12,68,58,38,25,69,45,20)(16,50)(17,48,34,66)(21,72,54,29,90,37,73,88)(24,39,83,67,71,52,32,100)(27,53)(30,56)(35,82,93,43,65,60,70,49)(75,86,95,77),

(1,69,42,68)(2,11,47,41)(3,33,96,63)(4,78,26,44)(5,37,76,72)(6,81)(7,87,18,14)(8,99,91,22)(9,28,64,79)(12,15,25,57)(13,92,85,55)(16,50)(17,48)(19,80,31,51)(20,98,38,89)(21,59,90,94)(23,88,97,29)(24,100,71,67)(30,56)(32,39,83,52)(34,66)(35,60,65,82)(36,45,61,58)(40,84)(43,70,49,93)(54,62,73,74)(75,77)(86,95),

(1,68)(2,37)(3,35)(4,54)(5,11)(6,81)(7,83)(8,94)(9,67)(10,46)(12,15)(13,97)(14,52)(16,30)(17,48)(18,32)(19,93)(20,98)(21,22)(23,85)(24,79)(25,57)(26,73)(27,53)(28,71)(29,55)(31,70)(33,82)(34,66)(36,58)(38,89)(39,87)(40,84)

(41,76)(42,69)(43,51)(44,62)(45,61)(47,72)(49,80)(50,56)(59,91)(60,63)(64,100)(65,96)(74,78)(75,77)(86,95)(88,92)(90,99),

(2,11,65,24,76,37,63,9)(3,8,59,28,60,21,22,67)(4,52,19,78,62,7,43,54)(5,72,33,64,47,41,35,71)(6,40,75,77)(10,50,53,16,46,30,27,56)(12,20,58,69,25,38,45,68)(13,70,32,23,29,51,14,55)(15,61)(17,48,34,66)(18,49,73,26,39,31,44,74)(36,57)(79,82,90,99,100,96,91,94)(80,87,92,85,93,83,97,88)(81,95,86,84)(89,98),

(2,26,63,49,76,74,65,31)(3,55,22,51,60,23,59,70)(4,33,43,5,62,35,19,47)(6,40,75,77)(7,64,78,72,52,71,54,41)(8,29,67,32,21,13,28,14)(9,44,37,39,24,73,11,18)(10,50,27,56,46,30,53,16)(12,38,45,69,25,20,58,68)(15,36)(17,66,34,48)(57,61)(79,87,91,88,100,83,90,85)(80,82,97,94,93,96,92,99)(81,95,86,84)(89,98),

(1,58,57,38,42,45,15,20)(2,22,52,31,47,99,39,19)(3,55,26,100,96,92,4,67)(5,59,18,49,76,94,7,43)(6,40,75,86)(8,72,51,87,91,37,80,14)(9,78,29,33,64,44,88,63)(10,50,27,56)(11,70,32,90,41,93,83,21)(12,61,68,98,25,36,69,89)(13,65,71,54,85,35,24,73)(16,46,30,53)(17,48)(23,62,79,60,97,74,28,82)(34,66)(77,84,81,95),

(1,58,15,38,42,45,57,20)(2,13,18,9,47,85,7,64)(3,8,62,93,96,91,74,70)(4,51,82,21,26,80,60,90)(5,29,52,24,76,88,39,71)(6,40,75,86)(10,50,53,16)(11,28,87,92,41,79,14,55)(12,36,68,98,25,61,69,89)(17,66)(19,44,94,35,31,78,59,65)(22,33,43,54,99,63,49,73)(23,72,67,32,97,37,100,83)(27,56,46,30)(34,48)(77,84,81,95),

(2,65,19)(3,8,67)(4,72,62)(5,52,24)(6,40,75)(7,49,54)(9,78,33)(10,50,34)(12,61,69)(13,22,59)(14,55,28)(15,20,58)(16,48,53)(17,46,30)(18,43,73)(21,70,32)(23,51,60)(25,36,68)(26,37,74)(27,56,66)(31,47,35)(38,45,57)(39,71,76)(44,63,64)(79,87,92)(80,82,97)(81,95,84)(83,90,93)(85,99,94)(91,100,96),

(1,42)(2,35,19,47,65,31)(3,91,67,96,8,100)(4,37,62,26,72,74)(5,39,24,76,52,71)(6,40,75)(7,43,54,18,49,73)(9,44,33,64,78,63)(10,50,34)(11,41)(12,36,69,25,61,68)(13,99,59,85,22,94)(14,92,28,87,55,79)(15,38,58,57,20,45)(16,48,53)(17,46,30)(21,93,32,90,70,83)(23,80,60,97,51,82)(27,56,66)(29,88)(81,95,84)(89,98),

(1,57,12,89,61,58,42,15,25,98,36,45)(2,65,87,97,80,24,47,35,14,23,51,71)(3,90,93,43,78,33,96,21,70,49,44,63)(4,59,26,94)(5,39,60,55,79,19,76,52,82,92,28,31)(6,81,95,84,40,75)(7,32,91,67,64,54,18,83,8,100,9,73)(10,30,17,46,50,34)(11,99,37,29,74,13,41,22,72,88,62,85)(16,48,27,56,66,53)(20,69,38,68)(77,86),

(1,2,41,69,54,62)(3,63,64,7,87,28)(4,57,92,26,15,55)(5,94,36)(6,50,16,81,34,66)(8,22,89,23,88,38)(9,18,14,79,96,33)(11,68,73,74,42,47)(12,44,13)(17,48,84,30,56,40)(19,51)(20,91,99,98,97,29)(21,72,45,90,37,58)(24,52,43,70,83,100)(25,78,85)(27,86,95)(31,80)(32,67,71,39,49,93)(35,82)(53,77,75)(59,61,76)(60,65),

(1,76,22,89,55,62)(2,72,58,8,59,61)(3,65)(4,57,97,13,25,54)(5,99,98,92,74,42)(6,30,16,81,34,66)(7,83,79,82,33,24)(9,39,31,93,14,100)(10,46)(11,69,78,88,20,90)(12,73,26,15,23,85)(17,48,84,50,56,40)(18,32,28,60,63,71)(19,70,87,67,64,52)(21,41,68,44,29,38)(27,86,95,53,77,75)(35,96)(36,47,37,45,91,94)(43,51)(49,80),

(1,2,94,32,65,42,47,59,83,35)(3,79,36,8,88,96,28,61,91,29)(4,9,51,89,97,26,64,80,98,23)(5,13,19,93,38,76,85,31,70,20)(6,75,53,48,46)(7,45,21,22,71,18,58,90,99,24)(10,84,95,27,66)(11,49,39,15,54,41,43,52,57,73)(12,44,62,87,100,25,78,74,14,67)(16,40,17,86,30)(33,69,92,37,60,63,68,55,72,82)(34,77,50,56,81),

(1,47,94,83,65)(2,59,32,35,42)(3,28,36,91,88)(4,64,51,98,97)(5,85,19,70,38)(6,75,53,48,46)(7,58,21,99,71)(8,29,96,79,61)(9,80,89,23,26)(10,84,95,27,66)(11,43,39,57,54)(12,78,62,14,100)(13,31,93,20,76)(15,73,41,49,52)(16,40,17,86,30)(18,45,90,22,24)(25,44,74,87,67)(33,68,92,72,60)(34,77,50,56,81)(37,82,63,69,55),

(1,44,72,87,80,98,21,13,71,65,42,78,37,14,51,89,90,85,24,35)(2,88,83,7,45,23,41,64,100,25,47,29,32,18,58,97,11,9,67,12)(3,93,20,54,4,49,63,69,91,59,96,70,38,73,26,43,33,68,8,94)(5,22,19,79,61,92,74,60,39,57,76,99,31,28,36,55,62,82,52,15)(6,75,27,48,10,84,95,53,66,46)(16,40,34,77,50,56,81,17,86,30),

(1,78,72,14,80,89,21,85,71,35,42,44,37,87,51,98,90,13,24,65)(2,29,83,18,45,97,41,9,100,12,47,88,32,7,58,23,11,64,67,25)(3,70,20,73,4,43,63,68,91,94,96,93,38,54,26,49,33,69,8,59)(5,99,19,28,61,55,74,82,39,15,76,22,31,79,36,92,62,60,52,57)(6,75,27,48,10,84,95,53,66,46)(16,40,34,77,50,56,81,17,86,30).

The character table of G^{s_4} :

	10										20									
$\chi_4^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_4^{(2)}$	1	1	1	1	1	-1	-1	-1	-1	1	1	1	1	1	-1	-1	-1	-1	1	1
$\chi_4^{(3)}$	4	4	4	4	4	-2	-2	-2	-2	.	.	.	.	.	.	.	.	1	1	1
$\chi_4^{(4)}$	4	4	4	4	4	2	2	2	2	.	.	.	.	.	.	.	.	1	1	1
$\chi_4^{(5)}$	5	5	5	5	5	-1	-1	-1	-1	1	1	1	1	1	1	1	1	-1	-1	-1
$\chi_4^{(6)}$	5	5	5	5	5	1	1	1	1	1	1	1	1	1	-1	-1	-1	-1	-1	-1
$\chi_4^{(7)}$	6	6	6	6	6	.	.	.	.	-2	-2	-2	-2	-2	-2	.	.	.	.	.
$\chi_4^{(8)}$	6	6	-2	2	-6	.	.	.	.	-2	2	2	.	2	-2	.	.	-2	2	.
$\chi_4^{(9)}$	6	6	-2	2	-6	.	.	.	.	-2	2	2	.	2	-2	.	.	2	-2	.
$\chi_4^{(10)}$	6	6	-2	2	-6	.	.	.	.	2	-2	-2	.	-2	2	A	-A	.	.	.
$\chi_4^{(11)}$	6	6	-2	2	-6	.	.	.	.	2	-2	-2	.	-2	2	-A	A	.	.	.
$\chi_4^{(12)}$	8	-8	.	.	.	.	.	.	.	.	4	-4	.	.	.	.	.	.	2	-2
$\chi_4^{(13)}$	10	10	2	-2	-10	-4	.	.	4	2	-2	-2	.	2	-2	.	.	.	1	1
$\chi_4^{(14)}$	10	10	2	-2	-10	-2	-2	2	2	-2	2	2	.	-2	2	.	.	.	1	1
$\chi_4^{(15)}$	10	10	2	-2	-10	2	2	-2	-2	-2	2	2	.	-2	2	.	.	.	1	1
$\chi_4^{(16)}$	10	10	2	-2	-10	4	.	.	-4	2	-2	-2	.	2	-2	.	.	.	1	1
$\chi_4^{(17)}$	15	15	-1	-1	15	-3	1	1	-3	3	3	3	-1	-1	-1	-1	-1	1	1	.
$\chi_4^{(18)}$	15	15	-1	-1	15	3	-1	-1	3	3	3	3	-1	-1	-1	1	1	-1	-1	.
$\chi_4^{(19)}$	15	15	-1	-1	15	-3	1	1	-3	-1	-1	-1	-1	3	3	1	1	-1	-1	.
$\chi_4^{(20)}$	15	15	-1	-1	15	3	-1	-1	3	-1	-1	-1	-1	3	3	-1	-1	1	1	.
$\chi_4^{(21)}$	20	20	4	-4	-20	-2	2	-2	2	.	.	.	.	.	.	.	.	.	-1	-1
$\chi_4^{(22)}$	20	20	4	-4	-20	2	-2	2	-2	.	.	.	.	.	.	.	.	.	-1	-1
$\chi_4^{(23)}$	24	24	-8	8	-24	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_4^{(24)}$	24	-24	.	.	.	.	.	.	.	.	-4	4	.	.	.	.	.	.	.	.
$\chi_4^{(25)}$	24	-24	.	.	.	.	.	.	.	.	-4	4	.	.	.	.	.	.	.	.
$\chi_4^{(26)}$	30	30	-2	-2	30	.	.	.	.	-2	-2	-2	2	-2	-2	.	.	.	.	.
$\chi_4^{(27)}$	32	-32	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	-2
$\chi_4^{(28)}$	40	-40	.	.	.	.	.	.	.	.	4	-4	.	.	.	.	.	.	-2	2

$\chi_4^{(1)}$	1	1	1	1
$\chi_4^{(2)}$	1	1	1	1
$\chi_4^{(3)}$	-1	-1	-1	-1
$\chi_4^{(4)}$	-1	-1	-1	-1
$\chi_4^{(5)}$	.	.	.	.
$\chi_4^{(6)}$	.	.	.	.
$\chi_4^{(7)}$	1	1	1	1
$\chi_4^{(8)}$	1	1	-1	-1
$\chi_4^{(9)}$	1	1	-1	-1
$\chi_4^{(10)}$	1	1	-1	-1
$\chi_4^{(11)}$	1	1	-1	-1
$\chi_4^{(12)}$	2	-2	.	.
$\chi_4^{(13)}$	.	.	.	.
$\chi_4^{(14)}$	.	.	.	.
$\chi_4^{(15)}$	.	.	.	.
$\chi_4^{(16)}$	.	.	.	.
$\chi_4^{(17)}$	.	.	.	.
$\chi_4^{(18)}$	.	.	.	.
$\chi_4^{(19)}$	.	.	.	.
$\chi_4^{(20)}$	.	.	.	.
$\chi_4^{(21)}$	.	.	.	.
$\chi_4^{(22)}$	.	.	.	.
$\chi_4^{(23)}$	-1	-1	1	1
$\chi_4^{(24)}$	1	-1	B	-B
$\chi_4^{(25)}$	1	-1	-B	B
$\chi_4^{(26)}$	.	.	.	.
$\chi_4^{(27)}$	-2	2	.	.
$\chi_4^{(28)}$	.	.	.	.

where $A = -2^*E(4) = -2^*ER(-1) = -2i$; $B = -E(20)-E(20)^9+E(20)^{13}+E(20)^{17} = -ER(-5) = -i5$.

The generators of G^{s_5} are:

(1, 70, 64, 90, 42, 93, 9, 21)(2, 36, 7, 71, 47, 61, 18, 24) (3, 73, 69, 79, 96, 54, 68, 28)(4, 13, 74, 41, 26, 85, 62, 11) (5, 45, 51, 31, 76, 58, 80, 19)(6, 46, 50, 95)(8, 20, 39, 49, 91, 38, 52, 43)(10, 30, 75, 84)(12, 35, 60, 55, 25, 65, 82, 92)(14, 23, 57,100, 87, 97, 15, 67)(16, 66, 53, 77)(17, 40)(22, 29, 59, 72, 99, 88, 94, 37) (27, 86, 56, 48)(32, 78, 89, 33, 83, 44, 98, 63)(34, 81), (1, 14)(2, 63)(3, 45)(4, 22)(5, 28)(6, 50)(7, 78)(8, 35)(9, 15) (10, 75)(11, 37)(12, 43)(13, 29)(16, 27)(17, 34)(18, 44)(19, 68) (20, 60)(21, 67)(23, 70)(24, 98)(25, 49)(26, 99)(30, 84)(31, 69) (32, 36)(33, 47)(38, 82)(39, 55)(40, 81)(41, 72)(42, 87)(46, 95) (48, 77)(51, 73)(52, 92)(53, 56)(54, 80)(57, 64)(58, 96)(59, 74) (61, 83)(62, 94)(65, 91)(66, 86)(71, 89)(76, 79)(85, 88)(90,100) (93, 97).

The representatives of conjugacy classes of G^{s_5} are:

(1), (1,9,42,64)(2,18,47,7)(3,68,96,69)(4,62,26,74)(5,80,76,51)(6,50)(8,52,91,39)(10,75)(11,85,41,13)(12,82,25,60)(14,15,87,57)(16,53)(19,58,31,45)(20,43,38,49)(21,93,90,70)(22,94,99,59)(23,67,97,100)(24,61,71,36)(27,56)(28,54,79,73)(29,37,88,72)(30,84)(32,98,83,89)(33,78,63,44)(35,92,65,55)(46,95)(48,86)(66,77),
(1,14)(2,63)(3,45)(4,22)(5,28)(6,50)(7,78)(8,35)(9,15)(10,75)(11,37)(12,43)(13,29)(16,27)(17,34)(18,44)(19,68)(20,60)(21,67)(23,70)(24,98)(25,49)(26,99)(30,84)(31,69)(32,36)(33,47)(38,82)(39,55)(40,81)(41,72)(42,87)(46,95)(48,77)(51,73)(52,92)(53,56)(54,80)(57,64)(58,96)(59,74)(61,83)(62,94)(65,91)(66,86)(71,89)(76,79)(85,88)(90,100)(93,97),

(1,15,42,57)(2,44,47,78)(3,19,96,31)(4,94,26,59)(5,54,76,73)(7,63,18,33)(8,92,91,55)(9,87,64,14)(11,88,41,29)
 (12,38,25,20)(13,37,85,72)(16,56)(17,34)(21,97,90,23)(22,62,99,74)(24,83,71,32)(27,53)(28,80,79,51)(35,52,65,
 39)(36,98,61,89)(40,81)(43,82,49,60)(45,68,58,69)(48,66)(67,93,100,70)(77,86),
 (1,21,9,93,42,90,64,70)(2,24,18,61,47,71,7,36)(3,28,68,54,96,79,69,73)(4,11,62,85,26,41,74,13)(5,19,80,58,76,
 31,51,45)(6,95,50,46)(8,43,52,38,91,49,39,20)(10,84,75,30)(12,92,82,65,25,55,60,35)(14,67,15,97,87,100,57,23)
 (16,77,53,66)(17,40)(22,37,94,88,99,72,59,29)(27,48,56,86)(32,63,98,44,83,33,89,78)(34,81),
 (1,23,64,100,42,97,9,67)(2,32,7,89,47,83,18,98)(3,51,69,76,96,80,68,5)(4,29,74,72,26,88,62,37)(6,95,50,46)(8,
 60,39,25,91,82,52,12)(10,84,75,30)(11,22,13,59,41,99,85,94)(14,70,57,90,87,93,15,21)(16,86,53,48)(17,81)(19,28,
 45,73,31,79,58,54)(20,55,49,65,38,92,43,35)(24,63,36,78,71,33,61,44)(27,66,56,77)(34,40),
 (1,42)(2,47)(3,96)(4,26)(5,76)(7,18)(8,91)(9,64)(11,41)(12,25)(13,85)(14,87)(15,57)(19,31)(20,38)(21,90)(22,
 99)(23,97)(24,71)(28,79)(29,88)(32,83)(33,63)(35,65)(36,61)(37,72)(39,52)(43,49)(44,78)(45,58)(51,80)(54,73)
 (55,92)(59,94)(60,82)(62,74)(67,100)(68,69)(70,93)(89,98),
 (1,57,42,15)(2,78,47,44)(3,31,96,19)(4,59,26,94)(5,73,76,54)(7,33,18,63)(8,55,91,92)(9,14,64,87)(11,29,41,88)
 (12,20,25,38)(13,72,85,37)(16,56)(17,34)(21,23,90,97)(22,74,99,62)(24,32,71,83)(27,53)(28,51,79,80)(35,39,65,52)
 (36,89,61,98)(40,81)(43,60,49,82)(45,69,58,68)(48,66)(67,70,100,93)(77,86),
 (1,64,42,9)(2,7,47,18)(3,69,96,68)(4,74,26,62)(5,51,76,80)(6,50)(8,39,91,52)(10,75)(11,13,41,85)(12,60,25,82)
 (14,57,87,15)(16,53)(19,45,31,58)(20,49,38,43)(21,70,90,93)(22,59,99,94)(23,100,97,67)(24,36,71,61)(27,56)(28,
 73,79,54)(29,72,88,37)(30,84)(32,89,83,98)(33,44,63,78)(35,55,65,92)(46,95)(48,86)(66,77),
 (1,67,9,97,42,100,64,23)(2,98,18,83,47,89,7,32)(3,5,68,80,96,76,69,51)(4,37,62,88,26,72,74,29)(6,46,50,95)(8,
 12,52,82,91,25,39,60)(10,30,75,84)(11,94,85,99,41,59,13,22)(14,21,15,93,87,90,57,70)(16,48,53,86)(17,81)(19,54,
 58,79,31,73,45,28)(20,35,43,92,38,65,49,55)(24,44,61,33,71,78,36,63)(27,77,56,66)(34,40),
 (1,70,64,90,42,93,9,21)(2,36,7,71,47,61,18,24)(3,73,69,79,96,54,68,28)(4,13,74,41,26,85,62,11)(5,45,51,31,76,
 58,80,19)(6,46,50,95)(8,20,39,49,91,38,52,43)(10,30,75,84)(12,35,60,55,25,65,82,92)(14,23,57,100,87,97,15,67)
 (16,66,53,77)(17,40)(22,29,59,72,99,88,94,37)(27,86,56,48)(32,78,89,33,83,44,98,63)(34,81),
 (1,87)(2,33)(3,58)(4,99)(5,79)(6,50)(7,44)(8,65)(9,57)(10,75)(11,72)(12,49)(13,88)(14,42)(15,64)(16,27)(17,
 34)(18,78)(19,69)(20,82)(21,100)(22,26)(23,93)(24,89)(25,43)(28,76)(29,85)(30,84)(31,68)(32,61)(35,91)(36,83)
 (37,41)(38,60)(39,92)(40,81)(45,96)(46,95)(47,63)(48,77)(51,54)(52,55)(53,56)(59,62)(66,86)(67,90)(70,97)(71,
 98)(73,80)(74,94),
 (1,90,9,70,42,21,64,93)(2,71,18,36,47,24,7,61)(3,79,68,73,96,28,69,54)(4,41,62,13,26,11,74,85)(5,31,80,45,76,
 19,51,58)(6,95,50,46)(8,49,52,20,91,43,39,38)(10,84,75,30)(12,55,82,35,25,92,60,65)(14,100,15,23,87,67,57,97)
 (16,77,53,66)(17,40)(22,72,94,29,99,37,59,88)(27,48,56,86)(32,33,98,78,83,63,89,44)(34,81),
 (1,93,64,21,42,70,9,90)(2,61,7,24,47,36,18,71)(3,54,69,28,96,73,68,79)(4,85,74,11,26,13,62,41)(5,58,51,19,76,
 45,80,31)(6,46,50,95)(8,38,39,43,91,20,52,49)(10,30,75,84)(12,65,60,92,25,35,82,55)(14,97,57,67,87,23,15,100)
 (16,66,53,77)(17,40)(22,88,59,37,99,29,94,72)(27,86,56,48)(32,44,89,63,83,78,98,33)(34,81),
 (1,97,64,67,42,23,9,100)(2,83,7,98,47,32,18,89)(3,80,69,5,96,51,68,76)(4,88,74,37,26,29,62,72)(6,95,50,46)(8,
 82,39,12,91,60,52,25)(10,84,75,30)(11,99,13,94,41,22,85,59)(14,93,57,21,87,70,15,90)(16,86,53,48)(17,81)(19,79,
 45,54,31,28,58,73)(20,92,49,35,38,55,43,65)(24,33,36,44,71,63,61,78)(27,66,56,77)(34,40),
 (1,100,9,23,42,67,64,97)(2,89,18,32,47,98,7,83)(3,76,68,51,96,5,69,80)(4,72,62,29,26,37,74,88)(6,46,50,95)(8,
 25,52,60,91,12,39,82)(10,30,75,84)(11,59,85,22,41,94,13,99)(14,90,15,70,87,21,57,93)(16,48,53,86)(17,81)(19,73,
 58,28,31,54,45,79)(20,65,43,55,38,35,49,92)(24,78,61,63,71,44,36,33)(27,77,56,66)(34,40).

The character table of G^{s_5} :

	10															
$\chi_5^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_5^{(2)}$	1	1	-1	-1	-1	1	1	-1	1	1	-1	-1	-1	-1	1	1
$\chi_5^{(3)}$	1	1	-1	-1	1	-1	1	-1	1	-1	1	-1	1	1	-1	-1
$\chi_5^{(4)}$	1	1	1	1	-1	-1	1	1	1	-1	-1	1	-1	-1	-1	-1
$\chi_5^{(5)}$	1	-1	-1	1	A	A	1	1	-1	-A	-A	-1	A	-A	A	-A
$\chi_5^{(6)}$	1	-1	-1	1	-A	-A	1	1	-1	A	A	-1	-A	A	-A	A
$\chi_5^{(7)}$	1	-1	1	-1	A	-A	1	-1	-1	A	-A	1	A	-A	-A	A
$\chi_5^{(8)}$	1	-1	1	-1	-A	A	1	-1	-1	-A	A	1	-A	A	A	-A
$\chi_5^{(9)}$	1	A	-1	-A	B	-/B	-1	A	-A	-B	/B	1	-B	-/B	/B	B
$\chi_5^{(10)}$	1	A	-1	-A	-B	/B	-1	A	-A	B	-/B	1	B	/B	-/B	-B
$\chi_5^{(11)}$	1	-A	-1	A	-/B	B	-1	-A	A	/B	-B	1	/B	B	-B	-/B
$\chi_5^{(12)}$	1	-A	-1	A	/B	-B	-1	-A	A	-/B	B	1	-/B	-B	B	/B
$\chi_5^{(13)}$	1	A	1	A	B	/B	-1	-A	-A	B	/B	-1	-B	-/B	-/B	-B
$\chi_5^{(14)}$	1	A	1	A	-B	-/B	-1	-A	-A	-B	-/B	-1	B	/B	/B	B
$\chi_5^{(15)}$	1	-A	1	-A	-/B	-B	-1	A	A	-/B	-B	-1	/B	B	B	/B
$\chi_5^{(16)}$	1	-A	1	-A	/B	B	-1	A	A	/B	B	-1	-/B	-B	-B	-/B

where $A = -E(4) = -ER(-1) = -i$; $B = -E(8)^3$.

The generators of G^{s_6} are:

(1, 57, 42, 15)(2, 78, 47, 44)(3, 31, 96, 19)(4, 59, 26, 94) (5, 73, 76, 54)(7, 33, 18, 63)(8, 55, 91, 92)(9, 14, 64, 87) (11, 29, 41, 88)(12, 20, 25, 38)(13, 72, 85, 37)(16, 56)(17, 34) (21, 23, 90, 97)(22, 74, 99, 62)(24, 32, 71, 83)(27, 53)(28, 51, 79, 80) (35, 39, 65, 52)(36, 89, 61, 98)(40, 81)(43, 60, 49, 82)(45, 69, 58, 68) (48, 66)(67, 70,100, 93)(77, 86), (2, 33, 76, 35)(3, 32, 60, 14) (4, 11, 62, 37)(5, 65, 47, 63)(6, 75)(7, 73, 52, 44)(8, 28, 21, 67) (9, 19, 24, 43)(10, 30, 46, 50)(12, 69, 25, 68)(13, 59, 29, 22) (16, 53, 56, 27)(17, 34)(18, 54, 39, 78)(20, 58, 38, 45)(23, 70, 55, 51) (26, 41, 74, 72)(31, 71, 49, 64)(36, 61)(48, 66)(79, 90,100, 91) (80, 97, 93, 92)(82, 87, 96, 83)(84, 95)(85, 94, 88, 99)(89, 98), (1, 2, 15, 44, 42, 47, 57, 78)(3, 67, 19, 93, 96,100, 31, 70) (4, 62, 94, 99, 26, 74, 59, 22)(5, 69, 54, 45, 76, 68, 73, 58)(6, 50) (7, 60, 63, 43, 18, 82, 33, 49)(8, 12, 92, 38, 91, 25, 55, 20) (9, 39, 87, 35, 64, 52, 14, 65)(10, 46)(11, 13, 88, 37, 41, 85, 29, 72) (16, 66, 56, 48)(17, 81, 34, 40)(21, 89, 97, 36, 90, 98, 23, 61) (24, 51, 83, 28, 71, 80, 32, 79)(27, 77, 53, 86)(30, 84).

The representatives of conjugacy classes of G^{s_6} are:

(1), (2,33,76,35)(3,32,60,14)(4,11,62,37)(5,65,47,63)(6,75)(7,73,52,44)(8,28,21,67)(9,19,24,43)(10,30,46,50)(12,69,25,68)(13,59,29,22)(16,53,56,27)(17,34)(18,54,39,78)(20,58,38,45)(23,70,55,51)(26,41,74,72)(31,71,49,64)(36,61)(48,66)(79,90,100,91)(80,97,93,92)(82,87,96,83)(84,95)(85,94,88,99)(89,98),
(2,35,76,33)(3,14,60,32)(4,37,62,11)(5,63,47,65)(6,75)(7,44,52,73)(8,67,21,28)(9,43,24,19)(10,50,46,30)(12,68,25,69)(13,22,29,59)(16,27,56,53)(17,34)(18,78,39,54)(20,45,38,58)(23,51,55,70)(26,72,74,41)(31,64,49,71)(36,61)(48,66)(79,91,100,90)(80,92,93,97)(82,83,96,87)(84,95)(85,99,88,94)(89,98),
(2,76)(3,60)(4,62)(5,47)(7,52)(8,21)(9,24)(10,46)(11,37)(12,25)(13,29)(14,32)(16,56)(18,39)(19,43)(20,38)(22,59)(23,55)(26,74)(27,53)(28,67)(30,50)(31,49)(33,35)(41,72)(44,73)(45,58)(51,70)(54,78)(63,65)(64,71)(68,69)(79,100)(80,93)(82,96)(83,87)(85,88)(90,91)(92,97)(94,99),
(1,2,15,44,42,47,57,78)(3,67,19,93,96,100,31,70)(4,62,94,99,26,74,59,22)(5,69,54,45,76,68,73,58)(6,50)(7,60,63,43,18,82,33,49)(8,12,92,38,91,25,55,20)(9,39,87,35,64,52,14,65)(10,46)(11,13,88,37,41,85,29,72)(16,66,56,48)(17,81,34,40)(21,89,97,36,90,98,23,61)(24,51,83,28,71,80,32,79)(27,77,53,86)(30,84),
(1,2,49,52,42,47,43,39)(3,79,98,97,96,28,89,23)(4,13,22,88,26,85,99,29)(5,9,93,38,76,64,70,20)(6,75,50,46)(7,58,91,24,18,45,8,71)(10,84,95,30)(11,94,37,62,41,59,72,74)(12,54,87,100,25,73,14,67)(15,44,60,65,57,78,82,35)(16,86,27,66)(17,40)(19,51,61,90,31,80,36,21)(32,63,69,55,83,33,68,92)(34,81)(48,56,77,53),

(1,2,64,7,42,47,9,18)(3,65,69,92,96,35,68,55)(4,41,74,85,26,11,62,13)(5,43,51,20,76,49,80,38)(6,75,50,10)(8,
 19,39,45,91,31,52,58)(12,73,60,79,25,54,82,28)(14,63,57,78,87,33,15,44)(16,77,53,66)(17,40)(21,71,70,61,90,24,
 93,36)(22,72,59,88,99,37,94,29)(23,83,100,98,97,32,67,89)(27,48,56,86)(30,46,84,95)(34,81),
 (1,2,68,54)(3,63,9,51)(4,94,26,59)(5,57,78,45)(6,50,84,30)(7,14,79,31)(8,89,97,38)(11,41)(12,55,61,21)(13,
 72,85,37)(15,44,58,76)(16,48)(17,81,34,40)(18,87,28,19)(20,91,98,23)(24,39,82,100)(25,92,36,90)(27,86)(29,88)
 (32,65,43,93)(33,64,80,96)(35,49,70,83)(42,47,69,73)(52,60,67,71)(53,77)(56,66),
 (1,3)(2,28)(4,62)(5,33)(6,30)(7,54)(8,67)(9,69)(10,75)(11,13)(12,24)(14,58)(15,19)(16,53)(17,34)(18,73)(20,
 32)(21,65)(22,59)(23,52)(25,71)(26,74)(27,56)(29,72)(31,57)(35,90)(36,82)(37,88)(38,83)(39,97)(40,81)(41,85)
 (42,96)(43,89)(44,80)(45,87)(46,95)(47,79)(48,86)(49,98)(50,84)(51,78)(55,70)(60,61)(63,76)(64,68)(66,77)(91,
 100)(92,93)(94,99),
 (1,3,61,60)(2,63,21,67)(5,79,91,35)(6,30,84,50)(7,23,70,78)(8,65,76,28)(9,12,71,68)(10,95,46,75)(11,88,41,29)
 (13,72,85,37)(14,20,83,45)(15,19,89,43)(16,27)(17,34)(18,97,93,44)(24,69,64,25)(31,98,49,57)(32,58,87,38)(33,
 90,100,47)(36,82,42,96)(39,73,80,92)(40,81)(48,86)(51,55,52,54)(53,56)(66,77),
 (1,5,69,44)(2,57,73,58)(3,79,64,18)(4,26)(6,30,84,50)(7,96,28,9)(8,12,23,36)(11,88,41,29)(14,33,19,51)(15,54,
 45,47)(16,66)(17,81,34,40)(20,90,89,55)(21,98,92,38)(22,74,99,62)(24,93,60,35)(25,97,61,91)(27,77)
 (31,80,87,63)(32,67,49,39)(42,76,68,78)(43,52,83,100)(48,56)(53,86)(59,94)(65,71,70,82),
 (1,7,57,33,42,18,15,63)(2,3,78,31,47,96,44,19)(4,22,59,74,26,99,94,62)(5,87,73,9,76,14,54,64)(8,83,55,24,91,
 32,92,71)(10,75)(11,85,29,37,41,13,88,72)(12,65,20,52,25,35,38,39)(16,86,56,77)(17,81,34,40)(21,60,23,49,90,
 82,97,43)(27,48,53,66)(28,45,51,69,79,58,80,68)(30,50)(36,93,89,67,61,70,98,100)(46,95),
 (1,7,25,65)(2,14,92,43)(3,23,24,76)(5,96,97,71)(8,60,78,64)(9,91,82,44)(10,95,46,75)(11,41)(12,35,42,18)(13,
 37,85,72)(15,63,20,39)(16,77)(17,81,34,40)(19,21,83,73)(22,74,99,62)(27,66)(28,61,70,69)(29,88)(31,90,32,54)
 (33,38,52,57)(36,93,68,79)(45,80,89,67)(47,87,55,49)(48,53)(51,98,100,58)(56,86),
 (1,7,19,76,42,18,31,5)(2,38,80,71,47,20,51,24)(3,54,15,63,96,73,57,33)(4,41,99,72,26,11,22,37)(6,10,30,75)
 (8,61,93,43,91,36,70,49)(9,21,45,39,64,90,58,52)(12,28,83,44,25,79,32,78)(13,59,88,62,85,94,29,74)(14,23,69,65,
 87,97,68,35)(16,48,27,77)(17,40)(34,81)(46,50,95,84)(53,86,56,66)(55,98,67,60,92,89,100,82),
 (1,7,9,2,42,18,64,47)(3,92,68,65,96,55,69,35)(4,85,62,41,26,13,74,11)(5,20,80,43,76,38,51,49)(6,10,50,75)(8,
 45,52,19,91,58,39,31)(12,79,82,73,25,28,60,54)(14,78,15,63,87,44,57,33)(16,66,53,77)(17,40)(21,61,93,71,90,36,
 70,24)(22,88,94,72,99,29,59,37)(23,98,67,83,97,89,100,32)(27,86,56,48)(30,95,84,46)(34,81),
 (1,8,69,23)(2,89,73,20)(3,65,64,70)(5,12,44,36)(6,50,84,30)(7,60,28,24)(9,93,96,35)(10,46)(11,88,41,29)(14,
 67,19,39)(15,92,45,21)(16,66)(17,81,34,40)(18,82,79,71)(22,62,99,74)(25,78,61,76)(27,77)(31,52,87,100)(32,33,
 49,51)(38,47,98,54)(42,91,68,97)(43,80,83,63)(48,56)(53,86)(55,58,90,57)(75,95),
 (1,9,42,64)(2,18,47,7)(3,68,96,69)(4,62,26,74)(5,80,76,51)(6,50)(8,52,91,39)(10,75)(11,85,41,13)(12,82,25,60)
 (14,15,87,57)(16,53)(19,58,31,45)(20,43,38,49)(21,93,90,70)(22,94,99,59)(23,67,97,100)(24,61,71,36)(27,56)(28,
 54,79,73)(29,37,88,72)(30,84)(32,98,83,89)(33,78,63,44)(35,92,65,55)(46,95)(48,86)(66,77),
 (1,9,61,71)(2,51,21,52)(3,12,60,68)(4,26)(5,7,91,70)(6,50,84,30)(8,93,76,18)(10,95,46,75)(11,88,41,29)(13,37,
 85,72)(14,98,83,57)(15,87,89,32)(16,27)(19,38,43,58)(20,49,45,31)(23,35,78,79)(24,42,64,36)(25,82,69,96)(28,97,
 65,44)(33,92,100,73)(39,47,80,90)(48,86)(53,56)(54,63,55,67)(59,94)(66,77),
 (1,9,58,49)(2,78,47,44)(3,98,32,12)(4,85,99,41)(5,55)(6,10,84,46)(7,28,93,65)(8,54)(11,26,13,22)(14,68,82,57)
 (15,87,69,60)(17,34)(18,79,70,35)(19,61,24,38)(20,31,36,71)(21,97,90,23)(25,96,89,83)(27,53)(29,94,72,74)(30,95)
 (33,51,67,52)(37,62,88,59)(39,63,80,100)(42,64,45,43)(48,77,66,86)(50,75)(73,91)(76,92),
 (1,9,38,31)(2,92,90,73)(3,15,87,25)(4,88,99,72)(5,44,91,23)(6,10)(7,33,18,63)(8,97,76,78)(11,62,85,59)(12,96,
 57,14)(13,94,41,74)(16,56)(17,34)(19,42,64,20)(21,54,47,55)(22,37,26,29)(24,58,43,61)(28,52)(30,75,50,95)(32,68,
 60,98)(35,51)(36,71,45,49)(39,79)(46,84)(48,77,66,86)(65,80)(67,93,100,70)(69,82,89,83),
 (1,12)(2,55)(3,71)(4,26)(5,23)(7,35)(8,44)(9,60)(10,46)(11,41)(14,49)(15,38)(17,34)(18,65)(19,32)(20,57)(21,
 54)(24,96)(25,42)(28,93)(29,88)(31,83)(33,39)(36,69)(40,81)(43,87)(45,98)(47,92)(51,67)(52,63)(58,89)(59,94)
 (61,68)(64,82)(70,79)(73,90)(75,95)(76,97)(78,91)(80,100),

(1,12,42,25)(2,97,47,23)(3,9,96,64)(4,62,26,74)(5,92,76,55)(7,63,18,33)(8,54,91,73)(11,37,41,72)(13,88,85,29)
 (14,19,87,31)(15,38,57,20)(16,56)(17,34)(21,44,90,78)(22,94,99,59)(24,60,71,82)(27,53)(28,51,79,80)(30,50)(32,
 49,83,43)(35,39,65,52)(36,69,61,68)(40,81)(45,89,58,98)(67,93,100,70)(75,95),
 (1,15,42,57)(2,44,47,78)(3,19,96,31)(4,94,26,59)(5,54,76,73)(7,63,18,33)(8,92,91,55)(9,87,64,14)(11,88,41,29)
 (12,38,25,20)(13,37,85,72)(16,56)(17,34)(21,97,90,23)(22,62,99,74)(24,83,71,32)(27,53)(28,80,79,51)(35,52,65,
 39)(36,98,61,89)(40,81)(43,82,49,60)(45,68,58,69)(48,66)(67,93,100,70)(77,86),
 (1,18,25,35)(2,87,92,49)(3,97,24,5)(4,26)(7,12,65,42)(8,82,78,9)(10,95,46,75)(13,72,85,37)(14,55,43,47)(15,33,
 20,52)(16,77)(17,81,34,40)(19,90,83,54)(21,32,73,31)(22,62,99,74)(23,71,76,96)(27,66)(28,36,70,68)(38,39,57,63)
 (44,64,91,60)(45,51,89,100)(48,53)(56,86)(58,80,98,67)(59,94)(61,93,69,79),
 (1,20,42,38)(2,91,47,8)(3,83,96,32)(4,94,26,59)(5,90,76,21)(7,39,18,52)(9,49,64,43)(10,46)(11,88,41,29)(12,57,
 25,15)(13,72,85,37)(14,82,87,60)(16,56)(19,71,31,24)(22,74,99,62)(23,73,97,54)(27,53)(28,67,79,100)(33,65,63,35)
 (36,58,61,45)(44,55,78,92)(48,66)(51,70,80,93)(68,98,69,89)(75,95)(77,86),
 (1,23,69,8)(2,20,73,89)(3,70,64,65)(5,36,44,12)(6,30,84,50)(7,24,28,60)(9,35,96,93)(10,46)(11,29,41,88)(14,39,
 19,67)(15,21,45,92)(16,66)(17,40,34,81)(18,71,79,82)(22,74,99,62)(25,76,61,78)(27,77)(31,100,87,52)(32,51,49,33)
 (38,54,98,47)(42,97,68,91)(43,63,83,80)(48,56)(53,86)(55,57,90,58)(75,95),
 (1,31,36,43)(2,7,90,93)(3,98,82,15)(4,59,26,94)(5,80,8,52)(6,30,84,50)(9,20,24,58)(10,95,46,75)(12,83,69,87)
 (13,85)(14,25,32,68)(16,53)(18,21,70,47)(19,61,49,42)(22,74,99,62)(23,100,44,63)(27,56)(28,55,35,73)(33,97,67,
 78)(37,72)(38,71,45,64)(39,76,51,91)(48,77)(54,79,92,65)(57,96,89,60)(66,86),
 (1,36)(2,90)(3,82)(4,26)(5,8)(6,84)(7,93)(9,24)(10,46)(12,69)(14,32)(15,98)(18,70)(19,49)(20,58)(21,47)(22,
 99)(23,44)(25,68)(28,35)(30,50)(31,43)(33,67)(38,45)(39,51)(42,61)(52,80)(54,92)(55,73)(57,89)(59,94)(60,96)
 (62,74)(63,100)(64,71)(65,79)(75,95)(76,91)(78,97)(83,87),
 (1,42)(2,47)(3,96)(4,26)(5,76)(7,18)(8,91)(9,64)(11,41)(12,25)(13,85)(14,87)(15,57)(19,31)(20,38)(21,90)(22,
 99)(23,97)(24,71)(28,79)(29,88)(32,83)(33,63)(35,65)(36,61)(37,72)(39,52)(43,49)(44,78)(45,58)(51,80)(54,73)
 (55,92)(59,94)(60,82)(62,74)(67,100)(68,69)(70,93)(89,98),
 (1,57,42,15)(2,78,47,44)(3,31,96,19)(4,59,26,94)(5,73,76,54)(7,33,18,63)(8,55,91,92)(9,14,64,87)(11,29,41,88)
 (12,20,25,38)(13,72,85,37)(16,56)(17,34)(21,23,90,97)(22,74,99,62)(24,32,71,83)(27,53)(28,51,79,80)(35,39,65,52)
 (36,89,61,98)(40,81)(43,60,49,82)(45,69,58,68)(48,66)(67,70,100,93)(77,86),
 (1,79,25,93)(2,31,92,32)(3,91,24,44)(4,26)(5,64,97,60)(6,84)(7,36,65,68)(8,71,78,96)(9,23,82,76)(10,95,46,75)
 (11,41)(12,70,42,28)(13,72,85,37)(14,90,43,54)(15,51,20,100)(16,77)(17,40,34,81)(18,61,35,69)(19,55,83,47)(21,
 49,73,87)(22,74,99,62)(27,66)(29,88)(30,50)(33,89,52,45)(38,67,57,80)(39,58,63,98)(48,53)(56,86)(59,94),
 (1,80,12,100)(2,96,55,24)(3,92,71,47)(4,94,26,59)(5,87,23,43)(6,84)(7,89,35,58)(8,83,44,31)(9,90,60,73)(10,95,
 46,75)(11,88,41,29)(13,85)(14,97,49,76)(15,79,38,70)(16,86)(17,81,34,40)(18,98,65,45)(19,91,32,78)(20,93,57,28)
 (21,82,54,64)(22,99)(25,67,42,51)(27,48)(30,50)(33,61,39,68)(36,52,69,63)(37,72)(53,66)(56,77)(62,74),
 (1,82,61,96)(2,100,21,33)(3,42,60,36)(4,26)(5,65,91,28)(6,50,84,30)(7,44,70,97)(8,79,76,35)(9,69,71,25)(10,75,
 46,95)(11,88,41,29)(12,64,68,24)(13,72,85,37)(14,58,83,38)(15,49,89,31)(16,27)(17,34)(18,78,93,23)(19,57,43,98)
 (20,87,45,32)(22,99)(39,55,80,54)(40,81)(47,67,90,63)(48,86)(51,73,52,92)(53,56)(59,94)(62,74)(66,77),
 (1,89,42,98)(2,97,47,23)(3,43,96,49)(4,94,26,59)(5,55,76,92)(6,84)(7,67,18,100)(8,73,91,54)(9,32,64,83)(10,
 46)(11,29,41,88)(12,58,25,45)(13,72,85,37)(14,71,87,24)(15,36,57,61)(16,56)(17,34)(19,82,31,60)(20,68,38,69)
 (21,44,90,78)(22,62,99,74)(27,53)(28,39,79,52)(30,50)(33,70,63,93)(35,51,65,80)(40,81)(48,66)(75,95)(77,86).

The character table of G^{s_6} :

	10										20									
$\chi_6^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_6^{(2)}$	1	-1	-1	1	-1	1	1	-1	1	1	-1	-1	-1	1	1	-1	1	-1	1	-1
$\chi_6^{(3)}$	1	-1	-1	1	1	-1	-1	1	1	1	1	1	-1	-1	1	1	1	-1	-1	1
$\chi_6^{(4)}$	1	1	1	1	-1	-1	-1	-1	1	1	-1	-1	-1	-1	-1	1	1	1	1	-1
$\chi_6^{(5)}$	1	-1	-1	1	A	-A	-A	A	1	1	A	-A	-A	A	A	A	-1	-1	1	-A
$\chi_6^{(6)}$	1	-1	-1	1	-A	A	A	-A	1	1	-A	A	A	-A	-A	-A	-1	-1	1	A
$\chi_6^{(7)}$	1	1	1	1	A	A	A	A	1	1	A	-A	-A	-A	-A	A	-1	-1	-1	-A
$\chi_6^{(8)}$	1	1	1	1	-A	-A	-A	-A	1	1	-A	A	A	A	A	-A	-1	-1	-1	A
$\chi_6^{(9)}$	1	A	-A	-1	-1	-A	A	1	-1	1	1	-1	1	A	-A	1	-1	1	-A	1
$\chi_6^{(10)}$	1	-A	A	-1	-1	A	-A	1	-1	1	1	-1	1	-A	A	1	-1	1	A	-A
$\chi_6^{(11)}$	1	A	-A	-1	1	A	-A	-1	-1	1	-1	1	-1	-A	A	-1	-1	1	-A	1
$\chi_6^{(12)}$	1	-A	A	-1	1	-A	A	-1	-1	1	-1	1	-1	A	-A	-1	-1	1	A	-A
$\chi_6^{(13)}$	1	A	-A	-1	A	-1	1	-A	-1	1	-A	-A	A	-1	1	-A	1	-1	A	-A
$\chi_6^{(14)}$	1	-A	A	-1	-A	-1	1	A	-1	1	A	A	-A	-1	1	A	1	-1	-A	A
$\chi_6^{(15)}$	1	A	-A	-1	-A	1	-1	A	-1	1	A	A	-A	1	-1	A	1	-1	A	-A
$\chi_6^{(16)}$	1	-A	A	-1	A	1	-1	-A	-1	1	-A	-A	A	1	-1	-A	1	-1	-A	A
$\chi_6^{(17)}$	2	.	.	-2	.	.	.	.	2	-2	.	.	.	.	.	.	-2	2	.	.
$\chi_6^{(18)}$	2	.	.	-2	.	.	.	.	2	-2	.	.	.	.	.	.	2	-2	.	.
$\chi_6^{(19)}$	2	.	.	2	.	.	.	.	-2	-2	.	.	.	.	.	.	-2	-2	.	.
$\chi_6^{(20)}$	2	.	.	2	.	.	.	.	-2	-2	.	.	.	.	.	.	2	2	.	.
$\chi_6^{(21)}$	4	.	.	.	.	.	.	-2	.	.	-2	.	-2	.	.	2	.	.	.	.
$\chi_6^{(22)}$	4	.	.	.	.	.	.	2	.	.	2	.	2	.	.	-2	.	.	.	.
$\chi_6^{(23)}$	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-4	.
$\chi_6^{(24)}$	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.
$\chi_6^{(25)}$	4	.	.	.	.	.	.	B	.	.	B	.	-B	.	.	-B	.	.	.	.
$\chi_6^{(26)}$	4	.	.	.	.	.	.	-B	.	.	-B	.	B	.	.	B	.	.	.	.
$\chi_6^{(27)}$	4	.	.	.	.	.	.	.	2	.	.	.	.	.	.	C	.	-B	.	.
$\chi_6^{(28)}$	4	.	.	.	.	.	.	.	2	.	.	.	.	.	.	/C	.	B	.	.
$\chi_6^{(29)}$	4	.	.	.	.	.	.	.	2	.	.	.	.	.	.	-/C	.	B	.	.
$\chi_6^{(30)}$	4	.	.	.	.	.	.	.	2	.	.	.	.	.	.	-C	.	-B	.	.
$\chi_6^{(31)}$	4	.	.	.	.	.	.	C	.	-2	-C	.	-/C	.	.	.	B	.	.	.
$\chi_6^{(32)}$	4	.	.	.	.	.	.	/C	.	-2	-/C	.	-C	.	.	.	-B	.	.	.
$\chi_6^{(33)}$	4	.	.	.	.	.	.	-/C	.	-2	/C	.	C	.	.	.	-B	.	.	.
$\chi_6^{(34)}$	4	.	.	.	.	.	.	-C	.	-2	C	.	/C	.	.	.	B	.	.	.

	30									
$\chi_6^{(1)}$	1	1	1	1	1	1	1	1	1	1
$\chi_6^{(2)}$	1	-1	1	1	1	1	-1	-1	1	1
$\chi_6^{(3)}$	1	1	1	1	1	1	1	1	1	1
$\chi_6^{(4)}$	1	-1	1	1	1	1	-1	-1	1	1
$\chi_6^{(5)}$	1	-A	-1	1	1	-1	A	-A	1	-1
$\chi_6^{(6)}$	1	A	-1	1	1	-1	-A	A	1	-1
$\chi_6^{(7)}$	1	-A	-1	1	1	-1	A	-A	1	-1
$\chi_6^{(8)}$	1	A	-1	1	1	-1	-A	A	1	-1
$\chi_6^{(9)}$	1	1	1	1	1	1	1	1	1	1
$\chi_6^{(10)}$	1	1	1	1	1	1	1	1	1	1
$\chi_6^{(11)}$	1	-1	1	1	1	1	-1	-1	1	1
$\chi_6^{(12)}$	1	-1	1	1	1	1	-1	-1	1	1
$\chi_6^{(13)}$	1	A	-1	1	1	-1	-A	A	1	-1
$\chi_6^{(14)}$	1	-A	-1	1	1	-1	A	-A	1	-1
$\chi_6^{(15)}$	1	-A	-1	1	1	-1	A	-A	1	-1
$\chi_6^{(16)}$	1	A	-1	1	1	-1	-A	A	1	-1
$\chi_6^{(17)}$	2	.	2	2	2	-2	.	.	-2	-2
$\chi_6^{(18)}$	2	.	-2	2	2	2	.	.	-2	2
$\chi_6^{(19)}$	2	.	-2	2	2	2	.	.	-2	2
$\chi_6^{(20)}$	2	.	2	2	2	-2	.	.	-2	-2
$\chi_6^{(21)}$	.	2	.	-4	4	4	2	2	.	-4
$\chi_6^{(22)}$	.	-2	.	-4	4	4	-2	-2	.	-4
$\chi_6^{(23)}$	-4	.	.	4	4	4	.	.	.	4
$\chi_6^{(24)}$	-4	.	.	4	4	-4	.	.	.	-4
$\chi_6^{(25)}$	.	B	.	-4	4	-4	-B	B	.	4
$\chi_6^{(26)}$	.	-B	.	-4	4	-4	B	-B	.	4
$\chi_6^{(27)}$	.	/C	B	.	-4	-D	-C	-/C	-2	.
$\chi_6^{(28)}$	.	C	-B	.	-4	D	-/C	-C	-2	.
$\chi_6^{(29)}$	.	-C	-B	.	-4	D	/C	C	-2	.
$\chi_6^{(30)}$	.	-/C	B	.	-4	-D	C	/C	-2	.
$\chi_6^{(31)}$	.	.	-B	.	-4	-D	.	.	2	.
$\chi_6^{(32)}$	.	.	B	.	-4	D	.	.	2	.
$\chi_6^{(33)}$	.	.	B	.	-4	D	.	.	2	.
$\chi_6^{(34)}$	.	.	-B	.	-4	-D	.	.	2	.

where $A = -E(4) = -ER(-1) = -i$; $B = -2^*E(4) = -2^*ER(-1) = -2i$; $C = -2\cdot 2^*E(4) = -2\cdot 2^*ER(-1) = -2\cdot 2i$; $D = 4^*E(4) = 4^*ER(-1) = 4i$.

The generators of G^{sr} are:

(1, 14)(2, 63)(3, 45)(4, 22)(5, 28)(6, 50)(7, 78)(8, 35)(9, 15)(10, 75)(11, 37)(12, 43)(13, 29)(16, 27)(17, 34)(18, 44)(19, 68)(20, 60)(21, 67)(23, 70)(24, 98)(25, 49)(26, 99)(30, 84)(31, 69)(32, 36)(33, 47)(38, 82)(39, 55)(40, 81)(41, 72)(42, 87)(46, 95)(48, 77)(51, 73)(52, 92)(53, 56)(54, 80)(57, 64)(58, 96)(59, 74)(61, 83)(62, 94)(65, 91)(66, 86)(71, 89)(76, 79)(85, 88)(90, 100)(93, 97), (3, 6)(4, 9)(5, 8)(10, 20)(11, 16)(12, 19)(15, 22)(18, 21)(23, 33)(24, 26)(25, 31)(27, 37)(28, 35)(30, 38)(39, 51)(40, 66)(41, 53)(42, 61)(43, 68)(44, 67)(45, 50)(46, 58)(47, 70)(49, 69)(52, 76)(54, 65)(55, 73)(56, 72)(57, 59)(60, 75)(62, 71)(64, 74)(79, 92)(80, 91)(81, 86)(82, 84)(83, 87)(89, 94)(95, 96)(98, 99), (3, 60)(4, 64)(5, 49)(6, 75)(8, 69)(9, 74)(10, 50)(11, 47)(12, 51)(13, 17)(15, 59)(16, 70)(

18, 41)(19, 39) (20, 45)(21, 53)(22, 57)(23, 27)(25, 28)(29, 34)(30, 38)(31, 35) (33, 37)(40, 42)(43, 73)(44, 72)(46, 58)(52, 54)(55, 68)(56, 67) (61, 66)(65, 76)(79, 91)(80, 92)(81, 87)(82, 84)(83, 86)(90, 93) (95, 96)(97,100), (2, 7)(4, 9)(5, 19)(8, 12)(11, 18)(13, 17) (15, 22)(16, 21)(23, 56)(24, 71)(25, 55)(26, 62)(27, 67)(28, 68) (29, 34)(30, 58)(31, 73)(33, 72)(35, 43)(37, 44)(38, 46)(39, 49) (40, 42)(41, 47)(51, 69)(52, 65)(53, 70)(54, 76)(57, 59)(61, 66) (63, 78)(64, 74)(79, 80)(81, 87)(82, 95)(83, 86)(84, 96)(89, 98) (91, 92)(94, 99), (2, 11)(3, 5)(6, 12)(7, 21)(8, 20)(10, 19) (13, 16)(17, 18)(24, 66)(25, 39)(26, 71)(27, 29)(28, 45)(30, 76) (31, 51)(32, 57)(33, 56)(34, 44)(35, 60)(36, 64)(37, 63)(40, 61) (42, 62)(43, 50)(46, 65)(47, 53)(48, 59)(49, 55)(67, 78)(68, 75) (69, 73)(74, 77)(79, 84)(81, 83)(85, 93)(86, 98)(87, 94)(88, 97) (89, 99)(91, 95), (1, 2)(3, 12)(4, 53)(5, 52)(6, 51)(7, 77) (8, 54)(9, 21)(10, 55)(11, 66)(13, 62)(14, 63)(15, 67)(16, 61) (17, 71)(18, 74)(19, 60)(20, 68)(22, 56)(23, 87)(24, 93)(25, 79) (26, 90)(27, 83)(28, 92)(29, 94)(30, 82)(31, 91)(32, 88)(33, 81) (34, 89)(35, 80)(36, 85)(37, 86)(38, 84)(39, 75)(40, 47)(41, 64) (42, 70)(43, 45)(44, 59)(46, 58)(48, 78)(49, 76)(50, 73)(57, 72) (65, 69)(95, 96)(97, 98)(99,100).

The representatives of conjugacy classes of G^{s_7} are:

(1), (1,14)(2,63)(3,45)(4,22)(5,28)(6,50)(7,78)(8,35)(9,15)(10,75)(11,37)(12,43)(13,29)(16,27)(17,34)(18,44)(19,68)(20,60)(21,67)(23,70)(24,98)(25,49)(26,99)(30,84)(31,69)(32,36)(33,47)(38,82)(39,55)(40,81)(41,72)(42,87)(46,95)(48,77)(51,73)(52,92)(53,56)(54,80)(57,64)(58,96)(59,74)(61,83)(62,94)(65,91)(66,86)(71,89)(76,79)(85,88)(90,100)(93,97),

(1,7,61,41)(2,4)(3,79,68,75)(5,80,84,73)(6,20,91,43)(8,92,46,39)(9,85,71,18)(10,45,76,19)(11,74,70,77)(12,50,60,65)(13,66,93,62)(14,78,83,72)(15,88,89,44)(16,42,17,64)(21,40)(22,63)(23,48,37,59)(24,90,36,47)(25,49)(26,53)(27,87,34,57)(28,54,30,51)(29,86,97,94)(32,33,98,100)(35,52,95,55)(56,99)(58,96)(67,81),

(1,78,61,72)(2,22)(3,76,68,10)(4,63)(5,54,84,51)(6,60,91,12)(7,83,41,14)(8,52,46,55)(9,88,71,44)(11,59,70,48)(13,86,93,94)(15,85,89,18)(16,87,17,57)(19,75,45,79)(20,65,43,50)(21,81)(23,77,37,74)(24,100,36,33)(26,56)(27,42,34,64)(28,80,30,73)(29,66,97,62)(31,69)(32,47,98,90)(35,92,95,39)(38,82)(40,67)(53,99),

(1,61)(3,68)(5,84)(6,91)(7,41)(8,46)(9,71)(10,76)(11,70)(12,60)(13,93)(14,83)(15,89)(16,17)(18,85)(19,45)(20,43)(23,37)(24,36)(27,34)(28,30)(29,97)(32,98)(33,100)(35,95)(39,92)(42,64)(44,88)(47,90)(48,59)(50,65)(51,54)(52,55)(57,87)(62,66)(72,78)(73,80)(74,77)(75,79)(86,94),

(1,83)(2,63)(3,19)(4,22)(5,30)(6,65)(7,72)(8,95)(9,89)(10,79)(11,23)(12,20)(13,97)(14,61)(15,71)(16,34)(17,27)(18,88)(21,67)(24,32)(25,49)(26,99)(28,84)(29,93)(31,69)(33,90)(35,46)(36,98)(37,70)(38,82)(39,52)(40,81)(41,78)(42,57)(43,60)(44,85)(45,68)(47,100)(48,74)(50,91)(51,80)(53,56)(54,73)(55,92)(58,96)(59,77)(62,86)(64,87)(66,94)(75,76),

(1,62,61,66)(2,21)(3,55,68,52)(4,40)(5,6,84,91)(7,13,41,93)(8,10,46,76)(9,74,71,77)(11,85,70,18)(12,54,60,51)(14,94,83,86)(15,59,89,48)(16,47,17,90)(19,92,45,39)(20,73,43,80)(22,81)(23,44,37,88)(24,64,36,42)(25,58)(27,33,34,100)(28,50,30,65)(29,72,97,78)(31,82)(32,87,98,57)(35,75,95,79)(38,69)(49,96)(63,67),

(1,94,61,86)(2,67)(3,39,68,92)(4,81)(5,50,84,65)(6,30,91,28)(7,29,41,97)(8,75,46,79)(9,59,71,48)(10,95,76,35)(11,88,70,44)(12,80,60,73)(13,72,93,78)(14,62,83,66)(15,74,89,77)(16,33,17,100)(18,37,85,23)(19,52,45,55)(20,51,43,54)(21,63)(22,40)(24,57,36,87)(25,96)(26,99)(27,47,34,90)(31,38)(32,42,98,64)(49,58)(53,56)(69,82),

(1,74,61,77)(2,21)(3,54,68,51)(4,40)(5,10,84,76)(6,46,91,8)(7,11,41,70)(9,62,71,66)(12,55,60,52)(13,85,93,18)(14,59,83,48)(15,94,89,86)(16,47,17,90)(19,73,45,80)(20,92,43,39)(22,81)(23,78,37,72)(24,42,36,64)(25,49)(27,33,34,100)(28,75,30,79)(29,88,97,44)(31,69)(32,57,98,87)(35,50,95,65)(38,82)(58,96)(63,67),

(1,59,61,48)(2,67)(3,80,68,73)(4,81)(5,75,84,79)(6,95,91,35)(7,37,41,23)(8,50,46,65)(9,94,71,86)(10,30,76,28)(11,72,70,78)(12,39,60,92)(13,88,93,44)(14,74,83,77)(15,62,89,66)(16,33,17,100)(18,29,85,97)(19,51,45,54)(20,52,43,55)(21,63)(22,40)(24,87,36,57)(26,99)(27,47,34,90)(32,64,98,42)(53,56),

(1,9)(3,12)(5,8)(6,10)(7,18)(11,13)(14,15)(19,20)(23,97)(24,36)(25,96)(28,35)(29,37)(30,95)(31,38)(32,98)(39,80)(41,85)(42,64)(43,45)(44,78)(46,84)(48,86)(49,58)(50,75)(51,52)(54,55)(57,87)(59,94)(60,68)(61,71)(62,74)(65,79)(66,77)(69,82)(70,93)(72,88)(73,92)(76,91)(83,89),

(1,15)(2,63)(3,43)(4,22)(5,35)(6,75)(7,44)(8,28)(9,14)(10,50)(11,29)(12,45)(13,37)(16,27)(17,34)(18,78)(19,60)(20,68)(21,67)(23,93)(24,32)(25,58)(26,99)(30,46)(31,82)(33,47)(36,98)(38,69)(39,54)(40,81)(41,88)(42,57)(48,66)(49,96)(51,92)(52,73)(53,56)(55,80)(59,62)(61,89)(64,87)(65,76)(70,97)(71,83)(72,85)(74,94)(77,86)(79,91)(84,95)(90,100),
 (1,42,24)(2,93,13)(3,68,96)(4,62,66)(5,75,54)(6,52,35)(7,11,47)(8,50,92)(10,80,28)(12,82,60)(14,87,98)(16,17,53)(18,85,21)(19,58,45)(20,43,38)(22,94,86)(23,72,100)(26,74,77)(27,34,56)(29,63,97)(30,73,76)(32,57,83)(33,78,37)(36,64,61)(39,65,46)(41,90,70)(44,88,67)(48,99,59)(51,79,84)(55,91,95),
 (1,87,24,14,42,98)(2,97,13,63,93,29)(3,19,96,45,68,58)(4,94,66,22,62,86)(5,10,54,28,75,80)(6,92,35,50,52,8)(7,37,47,78,11,33)(9,15)(12,38,60,43,82,20)(16,34,53,27,17,56)(18,88,21,44,85,67)(23,41,100,70,72,90)(25,49)(26,59,77,99,74,48)(30,51,76,84,73,79)(31,69)(32,64,83,36,57,61)(39,91,46,55,65,95)(40,81)(71,89),
 (1,42,24)(2,85,13,18,93,21)(3,50,96,8,68,92)(4,62,66)(5,43,54,20,75,38)(6,58,35,19,52,45)(7,17,47,16,11,53)(10,82,28,12,80,60)(14,87,98)(22,94,86)(23,72,100)(25,69)(26,36,77,61,74,64)(27,37,56,78,34,33)(29,44,97,67,63,88)(30,39,76,46,73,65)(31,49)(32,48,83,59,57,99)(40,71)(41,90,70)(51,91,84,55,79,95)(81,89),
 (1,87,24,14,42,98)(2,88,13,44,93,67)(3,6,96,35,68,52)(4,94,66,22,62,86)(5,12,54,60,75,82)(7,34,47,27,11,56)(8,19,92,45,50,58)(9,15)(10,38,28,43,80,20)(16,37,53,78,17,33)(18,97,21,63,85,29)(23,41,100,70,72,90)(25,31)(26,32,77,83,74,57)(30,55,76,95,73,91)(36,48,61,59,64,99)(39,79,46,51,65,84)(40,89)(49,69)(71,81),
 (1,13)(2,40)(3,35)(4,21)(5,20)(6,73)(7,66)(8,45)(9,70)(10,39)(11,71)(12,30)(14,29)(15,23)(16,24)(17,36)(18,74)(19,46)(22,67)(25,96)(26,53)(27,98)(28,60)(31,82)(32,34)(33,57)(37,89)(38,69)(41,62)(42,90)(43,84)(44,59)(47,64)(48,88)(49,58)(50,51)(52,79)(54,65)(55,75)(56,99)(61,93)(63,81)(68,95)(72,94)(76,92)(77,85)(78,86)(80,91)(83,97)(87,100),
 (1,29)(2,81)(3,8)(4,67)(5,60)(6,51)(7,86)(9,23)(10,55)(11,89)(12,84)(13,14)(15,70)(16,98)(17,32)(18,59)(19,95)(20,28)(21,22)(24,27)(25,58)(26,56)(30,43)(31,38)(33,64)(34,36)(35,45)(37,71)(39,75)(40,63)(41,94)(42,100)(44,74)(46,68)(47,57)(48,85)(49,96)(50,73)(52,76)(53,99)(54,91)(61,97)(62,72)(65,80)(66,78)(69,82)(77,88)(79,92)(83,93)(87,90),
 (1,2,40,13,64,41,62,47)(3,91,30,82,31,12,80,35)(4,85,26,17,42,11,9,7)(5,20,79,95,96,25,68,52)(6,10,50,75)(8,45,65,84,38,69,43,54)(14,63,81,29,57,72,94,33)(15,78,22,88,99,34,87,37)(16,61,93,24)(18,74)(19,92,28,60,76,46,58,49)(21,66,70,71,90,36,53,77)(23,89,100,32,56,48,67,86)(27,83,97,98)(39,73,55,51)(44,59),
 (1,63,40,29,64,72,62,33)(2,81,13,57,41,94,47,14)(3,65,30,38,31,43,80,8)(4,88,26,34,42,37,9,78)(5,60,79,46,96,49,68,92)(6,75,50,10)(7,22,85,99,17,87,11,15)(12,54,35,45,91,84,82,69)(16,83,93,98)(18,59)(19,52,28,20,76,95,58,25)(21,86,70,89,90,32,53,48)(23,71,100,36,56,77,67,66)(24,27,61,97)(39,51,55,73)(44,74),
 (1,93,64,11,66,41,24,2,36,85)(3,12,96,6,5,91,31,52,51,95)(4,16,42,47,40,70,61,53,62,13)(7,77,90,74,21,71,17,9,18,26)(8,79,25,54,39,84,20,68,38,75)(10,35,76,49,80,55,30,60,19,82)(14,97,57,37,86,72,98,63,32,88)(15,44,99,78,48,100,59,67,89,34)(22,27,87,33,81,23,83,56,94,29)(28,65,69,92,73,46,45,43,58,50),
 (1,97,64,37,66,72,24,63,36,88)(2,32,85,14,93,57,11,86,41,98)(3,43,96,50,5,65,31,92,51,46)(4,27,42,33,40,23,61,56,62,29)(6,28,91,69,52,73,95,45,12,58)(7,48,90,59,21,89,17,15,18,99)(8,76,25,80,39,30,20,19,38,10)(9,44,26,78,77,100,74,67,71,34)(13,22,16,87,47,81,70,83,53,94)(35,79,49,54,55,84,60,68,82,75),
 (1,64,66,24,36)(2,85,93,11,41)(3,96,5,31,51)(4,42,40,61,62)(6,91,52,95,12)(7,90,21,17,18)(8,25,39,20,38)(9,26,77,74,71)(10,76,80,30,19)(13,16,47,70,53)(14,57,86,98,32)(15,99,48,59,89)(22,87,81,83,94)(23,56,29,27,33)(28,69,73,45,58)(34,44,78,100,67)(35,49,55,60,82)(37,72,63,88,97)(43,50,65,92,46)(54,84,68,75,79),
 (1,57,66,98,36,14,64,86,24,32)(2,88,93,37,41,63,85,97,11,72)(3,58,5,69,51,45,96,28,31,73)(4,87,40,83,62,22,42,81,61,94)(6,65,52,46,12,50,91,92,95,43)(7,100,21,34,18,78,90,67,17,44)(8,49,39,60,38,35,25,55,20,82)(9,99,77,59,71,15,26,48,74,89)(10,79,80,84,19,75,76,54,30,68)(13,27,47,23,53,29,16,33,70,56),
 (1,85,77,13,61,18,74,93)(2,40,21,4)(3,79,51,30,68,75,54,28)(5,45,76,73,84,19,10,80)(6,92,8,20,91,39,46,43)(7,66,70,71,41,62,11,9)(12,50,52,35,60,65,55,95)(14,88,48,29,83,44,59,97)(15,78,86,23,89,72,94,37)(16,64,90,36,17,42,47,24)(22,63,81,67)(25,82,49,38)(26,53)(27,57,100,32,34,87,33,98)(31,96,69,58)(56,99),

(1,88,77,29,61,44,74,97)(2,81,21,22)(3,76,51,84,68,10,54,5)(4,63,40,67)(6,52,8,60,91,55,46,12)(7,86,70,89,41,94,11,15)(9,78,66,23,71,72,62,37)(13,83,18,59,93,14,85,48)(16,57,90,32,17,87,47,98)(19,75,80,28,45,79,73,30)(20,65,39,95,43,50,92,35)(24,27,64,100,36,34,42,33)(25,38,49,82)(26,56)(31,58,69,96)(53,99).

The character table of G^{s_7} :

	10										20									
$\chi_7^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_7^{(2)}$	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1	1	-1	1	-1
$\chi_7^{(3)}$	1	-1	-1	1	1	-1	1	-1	1	-1	1	-1	1	-1	-1	1	-1	1	1	-1
$\chi_7^{(4)}$	1	-1	1	-1	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1	-1	1	-1	-1
$\chi_7^{(5)}$	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1
$\chi_7^{(6)}$	1	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1	1	1	1
$\chi_7^{(7)}$	1	1	-1	-1	1	1	1	1	1	1	1	1	1	1	1	-1	-1	-1	-1	1
$\chi_7^{(8)}$	1	1	1	1	1	1	-1	-1	1	1	-1	-1	1	1	-1	-1	-1	-1	-1	1
$\chi_7^{(9)}$	9	-9	-1	1	1	-1	-1	1	1	-1	3	-3	.	.	.	.	1	-1	-1	1
$\chi_7^{(10)}$	9	-9	-1	1	1	-1	1	-1	1	-1	-3	3	.	.	.	.	-1	1	1	-1
$\chi_7^{(11)}$	9	-9	1	-1	1	-1	-1	1	1	-1	3	-3	.	.	.	.	-1	1	1	-1
$\chi_7^{(12)}$	9	-9	1	-1	1	-1	1	-1	1	-1	-3	3	.	.	.	.	1	-1	-1	1
$\chi_7^{(13)}$	9	9	-1	-1	1	1	-1	-1	1	1	3	3	.	.	.	.	1	1	-1	-1
$\chi_7^{(14)}$	9	9	-1	-1	1	1	1	1	1	1	-3	-3	.	.	.	.	-1	-1	1	1
$\chi_7^{(15)}$	9	9	1	1	1	1	-1	-1	1	1	3	3	.	.	.	.	-1	-1	1	1
$\chi_7^{(16)}$	9	9	1	1	1	1	1	1	1	1	-3	-3	.	.	.	.	1	1	-1	-1
$\chi_7^{(17)}$	10	10	.	.	2	2	2	2	-2	-2	2	2	1	1	-1	-1	.	.	.	.
$\chi_7^{(18)}$	10	10	.	.	2	2	-2	-2	-2	-2	-2	-2	1	1	1	1	.	.	.	.
$\chi_7^{(19)}$	10	-10	.	.	2	-2	2	-2	-2	2	2	-2	1	-1	-1	1	.	.	.	.
$\chi_7^{(20)}$	10	-10	.	.	2	-2	-2	2	-2	2	-2	2	1	-1	1	-1	.	.	.	.
$\chi_7^{(21)}$	16	16	.	.	.	.	.	.	.	.	.	-2	-2	.	.	-4	-4	.	.	1
$\chi_7^{(22)}$	16	16	.	.	.	.	.	.	.	.	.	-2	-2	.	.	4	4	.	.	-1
$\chi_7^{(23)}$	16	-16	.	.	.	.	.	.	.	.	.	-2	2	.	.	-4	4	.	.	1
$\chi_7^{(24)}$	16	-16	.	.	.	.	.	.	.	.	.	-2	2	.	.	4	-4	.	.	-1
$\chi_7^{(25)}$	20	20	.	.	-4	-4	.	.	.	.	.	2	2	.	.	.	.	.	.	.
$\chi_7^{(26)}$	20	-20	.	.	-4	4	.	.	.	.	.	2	-2	.	.	.	.	.	.	.

$\chi_7^{(1)}$	1	1
$\chi_7^{(2)}$	-1	1
$\chi_7^{(3)}$	-1	1
$\chi_7^{(4)}$	1	-1
$\chi_7^{(5)}$	1	-1
$\chi_7^{(6)}$	-1	-1
$\chi_7^{(7)}$	-1	-1
$\chi_7^{(8)}$	1	1
$\chi_7^{(9)}$	1	-1
$\chi_7^{(10)}$	1	-1
$\chi_7^{(11)}$	-1	1
$\chi_7^{(12)}$	-1	1
$\chi_7^{(13)}$	1	1
$\chi_7^{(14)}$	1	1
$\chi_7^{(15)}$	-1	-1
$\chi_7^{(16)}$	-1	-1
$\chi_7^{(17)}$	.	.
$\chi_7^{(18)}$	.	.
$\chi_7^{(19)}$	.	.
$\chi_7^{(20)}$	.	.
$\chi_7^{(21)}$	.	.
$\chi_7^{(22)}$	.	.
$\chi_7^{(23)}$	.	.
$\chi_7^{(24)}$	.	.
$\chi_7^{(25)}$	.	.
$\chi_7^{(26)}$	.	.

The generators of G^{ss} are:

(1, 16, 61, 41, 26, 85, 62, 47, 66, 21)(2, 36, 7, 71, 11, 64, 93, 74, 18, 24) (3, 43, 69, 91, 30, 6, 58, 92, 51, 35)(4, 17, 42, 90, 40, 13, 9, 53, 77, 70)(5, 20, 19, 49, 79, 95, 75, 82, 80, 39)(8, 45, 12, 31, 65, 84, 50, 96, 52, 73)(10, 38, 54, 55, 28, 60, 68, 25, 76, 46)(14, 27, 83, 72, 99, 88, 94, 33, 86, 67)(15, 56, 48, 23, 22, 34, 87, 100, 81, 29)(32, 78, 89, 37, 57, 97, 59, 44, 98, 63), (1, 14)(2, 63)(3, 45)(4, 22)(5, 28)(6, 50) (7, 78)(8, 35)(9, 15)(10, 75)(11, 37)(12, 43)(13, 29)(16, 27) (17, 34)(18, 44)(19, 68)(20, 60)(21, 67)(23, 70)(24, 98)(25, 49) (26, 99)(30, 84)(31, 69)(32, 36)(33, 47)(38, 82)(39, 55)(40, 81) (41, 72)(42, 87)(46, 95)(48, 77)(51, 73)(52, 92)(53, 56)(54, 80) (57, 64)(58, 96)(59, 74)(61, 83)(62, 94)(65, 91)(66, 86)(71, 89) (76, 79)(85, 88)(90, 100)(93, 97)

The representatives of conjugacy classes of G^{ss} are:

(1), (1,14)(2,63)(3,45)(4,22)(5,28)(6,50)(7,78)(8,35)(9,15)(10,75)(11,37)(12,43)(13,29)(16,27)(17,34)(18,44)(19,68)(20,60)(21,67)(23,70)(24,98)(25,49)(26,99)(30,84)(31,69)(32,36)(33,47)(38,82)(39,55)(40,81)(41,72)(42,87)(46,95)(48,77)(51,73)(52,92)(53,56)(54,80)(57,64)(58,96)(59,74)(61,83)(62,94)(65,91)(66,86)(71,89)(76,79)(85,88)(90,100)(93,97),

(1,16,61,41,26,85,62,47,66,21)(2,36,7,71,11,64,93,74,18,24)(3,43,69,91,30,6,58,92,51,35)(4,17,42,90,40,13,9,53,77,70)(5,20,19,49,79,95,75,82,80,39)(8,45,12,31,65,84,50,96,52,73)(10,38,54,55,28,60,68,25,76,46)(14,27,83,72,99,88,94,33,86,67)(15,56,48,23,22,34,87,100,81,29)(32,78,89,37,57,97,59,44,98,63),

(1,21,66,47,62,85,26,41,61,16)(2,24,18,74,93,64,11,71,7,36)(3,35,51,92,58,6,30,91,69,43)(4,70,77,53,9,13,40,90,42,17)(5,39,80,82,75,95,79,49,19,20)(8,73,52,96,50,84,65,31,12,45)(10,46,76,25,68,60,28,55,54,38)(14,67,86,33,94,88,99,72,83,27)(15,29,81,100,87,34,22,23,48,56)(32,63,98,44,59,97,57,37,89,78),

(1,26,66,61,62)(2,11,18,7,93)(3,30,51,69,58)(4,40,77,42,9)(5,79,80,19,75)(6,35,91,92,43)(8,65,52,12,50)(10,28,76,54,68)(13,70,90,53,17)(14,99,86,83,94)(15,22,81,48,87)(16,85,21,41,47)(20,95,39,49,82)(23,100,56,34,29)(24,71,74,36,64)(25,38,60,46,55)(27,88,67,72,33)(31,96,45,84,73)(32,57,98,89,59)(37,44,78,97,63),
 (1,27,61,72,26,88,62,33,66,67)(2,32,7,89,11,57,93,59,18,98)(3,12,69,65,30,50,58,52,51,8)(4,34,42,100,40,29,9,56,77,23)(5,60,19,25,79,46,75,38,80,55)(6,96,92,73,35,45,43,31,91,84)(10,82,54,39,28,20,68,49,76,95)(13,15,53,48,70,22,17,87,90,81)(14,16,83,41,99,85,94,47,86,21)(24,63,36,78,71,37,64,97,74,44),
 (1,33,26,27,66,88,61,67,62,72)(2,59,11,32,18,57,7,98,93,89)(3,52,30,12,51,50,69,8,58,65)(4,56,40,34,77,29,42,23,9,100)(5,38,79,60,80,46,19,55,75,25)(6,31,35,96,91,45,92,84,43,73)(10,49,28,82,76,20,54,95,68,39)(13,87,70,15,90,22,53,81,17,48)(14,47,99,16,86,85,83,21,94,41)(24,97,71,63,74,37,36,44,64,78),
 (1,41,62,21,61,85,66,16,26,47)(2,71,93,24,7,64,18,36,11,74)(3,91,58,35,69,6,51,43,30,92)(4,90,9,70,42,13,77,17,40,53)(5,49,75,39,19,95,80,20,79,82)(8,31,50,73,12,84,52,45,65,96)(10,55,68,46,54,60,76,38,28,25)(14,72,94,67,83,88,86,27,99,33)(15,23,87,29,48,34,81,56,22,100)(32,37,59,63,89,97,98,78,57,44),
 (1,47,26,16,66,85,61,21,62,41)(2,74,11,36,18,64,7,24,93,71)(3,92,30,43,51,6,69,35,58,91)(4,53,40,17,77,13,42,70,9,90)(5,82,79,20,80,95,19,39,75,49)(8,96,65,45,52,84,12,73,50,31)(10,25,28,38,76,60,54,46,68,55)(14,33,99,27,86,88,83,67,94,72)(15,100,22,56,81,34,48,29,87,23)(32,44,57,78,98,97,89,63,59,37),
 (1,61,26,62,66)(2,7,11,93,18)(3,69,30,58,51)(4,42,40,9,77)(5,19,79,75,80)(6,92,35,43,91)(8,12,65,50,52)(10,54,28,68,76)(13,53,70,17,90)(14,83,99,94,86)(15,48,22,87,81)(16,41,85,47,21)(20,49,95,82,39)(23,34,100,29,56)(24,36,71,64,74)(25,46,38,55,60)(27,72,88,33,67)(31,84,96,73,45)(32,89,57,59,98)(37,97,44,63,78),
 (1,62,61,66,26)(2,93,7,18,11)(3,58,69,51,30)(4,9,42,77,40)(5,75,19,80,79)(6,43,92,91,35)(8,50,12,52,65)(10,68,54,76,28)(13,17,53,90,70)(14,94,83,86,99)(15,87,48,81,22)(16,47,41,21,85)(20,82,49,39,95)(23,29,34,56,100)(24,64,36,74,71)(25,55,46,60,38)(27,33,72,67,88)(31,73,84,45,96)(32,59,89,98,57)(37,63,97,78,44),
 (1,66,62,26,61)(2,18,93,11,7)(3,51,58,30,69)(4,77,9,40,42)(5,80,75,79,19)(6,91,43,35,92)(8,52,50,65,12)(10,76,68,28,54)(13,90,17,70,53)(14,86,94,99,83)(15,81,87,22,48)(16,21,47,85,41)(20,39,82,95,49)(23,56,29,100,34)(24,74,64,71,36)(25,60,55,38,46)(27,67,33,88,72)(31,45,73,96,84)(32,98,59,57,89)(37,78,63,44,97),
 (1,67,66,33,62,88,26,72,61,27)(2,98,18,59,93,57,11,89,7,32)(3,8,51,52,58,50,30,65,69,12)(4,23,77,56,9,29,40,100,42,34)(5,55,80,38,75,46,79,25,19,60)(6,84,91,31,43,45,35,73,92,96)(10,95,76,49,68,20,28,39,54,82)(13,81,90,87,17,22,70,48,53,15)(14,21,86,47,94,85,99,41,83,16)(24,44,74,97,64,37,71,78,36,63),
 (1,72,62,67,61,88,66,27,26,33)(2,89,93,98,7,57,18,32,11,59)(3,65,58,8,69,50,51,12,30,52)(4,100,9,23,42,29,77,34,40,56)(5,25,75,55,19,46,80,60,79,38)(6,73,43,84,92,45,91,96,35,31)(10,39,68,95,54,20,76,82,28,49)(13,48,17,81,53,22,90,15,70,87)(14,41,94,21,83,85,86,16,99,47)(24,78,64,44,36,37,74,63,71,97),
 (1,83,26,94,66,14,61,99,62,86)(2,78,11,97,18,63,7,37,93,44)(3,31,30,96,51,45,69,84,58,73)(4,87,40,15,77,22,42,81,9,48)(5,68,79,10,80,28,19,76,75,54)(6,52,35,12,91,50,92,8,43,65)(13,56,70,34,90,29,53,23,17,100)(16,72,85,33,21,27,41,88,47,67)(20,25,95,38,39,60,49,46,82,55)(24,32,71,57,74,98,36,89,64,59),
 (1,85)(2,64)(3,6)(4,13)(5,95)(7,74)(8,84)(9,17)(10,60)(11,24)(12,96)(14,88)(15,34)(16,62)(18,71)(19,82)(20,75)(21,26)(22,29)(23,81)(25,54)(27,94)(28,46)(30,35)(31,52)(32,97)(33,83)(36,93)(37,98)(38,68)(39,79)(40,70)(41,66)(42,53)(43,58)(44,89)(45,50)(47,61)(48,100)(49,80)(51,91)(55,76)(56,87)(57,63)(59,78)(65,73)(67,99)(69,92)(72,86)(77,90),
 (1,86,62,99,61,14,66,94,26,83)(2,44,93,37,7,63,18,97,11,78)(3,73,58,84,69,45,51,96,30,31)(4,48,9,81,42,22,77,15,40,87)(5,54,75,76,19,28,80,10,79,68)(6,65,43,8,92,50,91,12,35,52)(13,100,17,23,53,29,90,34,70,56)(16,67,47,88,41,27,21,33,85,72)(20,55,82,46,49,60,39,38,95,25)(24,59,64,89,36,98,74,57,71,32),
 (1,88)(2,57)(3,50)(4,29)(5,46)(6,45)(7,59)(8,30)(9,34)(10,20)(11,98)(12,58)(13,22)(14,85)(15,17)(16,94)(18,89)(19,38)(21,99)(23,40)(24,37)(25,80)(26,67)(27,62)(28,95)(31,92)(32,93)(33,61)(35,84)(36,97)(39,76)(41,86)(42,56)(43,96)(44,71)(47,83)(48,90)(49,54)(51,65)(52,69)(53,87)(55,79)(60,75)(63,64)(66,72)(68,82)(70,81)(73,91)(74,78)(77,100),
 (1,94,61,86,26,14,62,83,66,99)(2,97,7,44,11,63,93,78,18,37)(3,96,69,73,30,45,58,31,51,84)(4,15,42,48,40,22,9,87,77,81)(5,10,19,54,79,28,75,68,80,76)(6,12,92,65,35,50,43,52,91,8)(13,34,53,100,70,29,17,56,90,23)(16,33,41,67,85,27,47,72,21,88)(20,38,49,55,95,60,82,25,39,46)(24,57,36,59,71,98,64,32,74,89),

(1,99,66,83,62,14,26,86,61,94)(2,37,18,78,93,63,11,44,7,97)(3,84,51,31,58,45,30,73,69,96)(4,81,77,87,9,22,40,48,42,15)(5,76,80,68,75,28,79,54,19,10)(6,8,91,52,43,50,35,65,92,12)(13,23,90,56,17,29,70,100,53,34)(16,88,21,72,47,27,85,67,41,33)(20,46,39,25,82,60,95,55,49,38)(24,89,74,32,64,98,71,59,36,57).

The character table of G^{s_8} :

	10																		20
$\chi_8^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_8^{(2)}$	1	-1	-1	-1	1	1	1	-1	-1	1	1	1	1	1	-1	-1	-1	1	-1
$\chi_8^{(3)}$	1	-1	1	1	1	-1	-1	1	1	1	1	1	-1	-1	-1	1	-1	-1	-1
$\chi_8^{(4)}$	1	1	-1	-1	1	-1	-1	-1	-1	1	1	1	-1	-1	1	-1	1	-1	1
$\chi_8^{(5)}$	1	-1	A	/A	-/A	-A	-B	/B	B	-B	-A	-/B	-/A	-/B	B	-1	/B	1	A
$\chi_8^{(6)}$	1	-1	B	/B	-/B	-B	-/A	A	/A	-/A	-B	-A	-/B	-A	/A	-1	A	1	B
$\chi_8^{(7)}$	1	-1	/B	B	-B	-/B	-A	/A	A	-A	-/B	-/A	-B	-/A	A	-1	/A	1	/B
$\chi_8^{(8)}$	1	-1	/A	A	-A	-/A	-/B	B	/B	-/B	-/A	-B	-A	-B	/B	-1	B	1	/A
$\chi_8^{(9)}$	1	-1	-/A	-A	-A	/A	/B	-B	-/B	-/B	-/A	-B	A	B	/B	1	B	-1	/A
$\chi_8^{(10)}$	1	-1	-/B	-B	-B	/B	A	-/A	-A	-A	-/B	-/A	B	/A	A	1	/A	-1	/B
$\chi_8^{(11)}$	1	-1	-B	-/B	-/B	B	/A	-A	-/A	-/A	-B	-A	/B	A	/A	1	A	-1	B
$\chi_8^{(12)}$	1	-1	-A	-/A	-/A	A	B	-/B	-B	-B	-A	-/B	/A	/B	B	1	/B	-1	A
$\chi_8^{(13)}$	1	1	A	/A	-/A	A	B	/B	B	-B	-A	-/B	/A	/B	-B	-1	-/B	-1	-A
$\chi_8^{(14)}$	1	1	B	/B	-/B	B	/A	A	/A	-/A	-B	-A	/B	A	-/A	-1	-A	-1	-B
$\chi_8^{(15)}$	1	1	/B	B	-B	/B	A	/A	A	-A	-/B	-/A	B	/A	-A	-1	-/A	-1	-/B
$\chi_8^{(16)}$	1	1	/A	A	-A	/A	/B	B	/B	-/B	-/A	-B	A	B	-/B	-1	-B	-1	-/A
$\chi_8^{(17)}$	1	1	-/A	-A	-A	-/A	-/B	-B	-/B	-/B	-/A	-B	-A	-B	-/B	1	-B	1	-/A
$\chi_8^{(18)}$	1	1	-/B	-B	-B	-/B	-A	-/A	-A	-A	-/B	-/A	-B	-/A	-A	1	-/A	1	-/B
$\chi_8^{(19)}$	1	1	-B	-/B	-/B	-B	-/A	-A	-/A	-/A	-B	-A	-/B	-A	-/A	1	-A	1	-B
$\chi_8^{(20)}$	1	1	-A	-/A	-/A	-A	-B	-/B	-B	-B	-A	-/B	-/A	-/B	-B	1	-/B	1	-A

where $A = -E(5)$; $B = -E(5)^2$.

The generators of G^{s_9} are:

(1, 61, 26, 62, 66)(2, 7, 11, 93, 18)(3, 69, 30, 58, 51) (4, 42, 40, 9, 77)(5, 19, 79, 75, 80)(6, 92, 35, 43, 91)(8, 12, 65, 50, 52)(10, 54, 28, 68, 76)(13, 53, 70, 17, 90)(14, 83, 99, 94, 86) (15, 48, 22, 87, 81)(16, 41, 85, 47, 21)(20, 49, 95, 82, 39)(23, 34,100, 29, 56)(24, 36, 71, 64, 74)(25, 46, 38, 55, 60)(27, 72, 88, 33, 67) (31, 84, 96, 73, 45)(32, 89, 57, 59, 98)(37, 97, 44, 63, 78), (2, 21, 53)(3, 77, 60)(4, 25, 69)(5, 35, 57)(6, 32, 75)(7, 16, 70) (8, 28, 64)(9, 55, 51)(10, 36, 50)(11, 41, 17)(12, 68, 74)(13, 18, 47) (15, 73, 39)(19, 43, 59)(20, 48, 45)(22, 31, 49)(23, 27, 78)(24, 65, 76) (29, 33, 44)(30, 42, 46)(34, 72, 37)(38, 58, 40)(52, 54, 71)(56, 67, 63) (79, 91, 98)(80, 92, 89)(81, 96, 82)(84, 95, 87)(85, 90, 93)(88, 97,100), (1, 2, 51, 52, 70)(3, 8, 17, 61, 7)(4, 19, 88, 95, 24)(5, 72, 49, 74, 77)(6, 84, 37, 83, 23)(9, 80, 27, 20, 64)(10, 87, 98, 25, 16) (11, 69, 12, 90, 26)(13, 62, 93, 30, 65)(14, 56, 91, 31, 78)(15, 89, 38, 85, 28)(18, 58, 50, 53, 66)(21, 76, 22, 59, 60)(29, 43, 45, 63, 86) (32, 46, 41, 54, 81)(33, 82, 36, 42, 79)(34, 92, 96, 97, 99)(35, 73, 44, 94, 100)(39, 71, 40, 75, 67)(47, 68, 48, 57, 55).

The representatives of conjugacy classes of G^{s_9} are:

(1), (2,21,53)(3,77,60)(4,25,69)(5,35,57)(6,32,75)(7,16,70)(8,28,64)(9,55,51)(10,36,50)(11,41,17)(12,68,74)(13,18,47)(15,73,39)(19,43,59)(20,48,45)(22,31,49)(23,27,78)(24,65,76)(29,33,44)(30,42,46)(34,72,37)(38,58,40)(52,54,71)(56,67,63)(79,91,98)(80,92,89)(81,96,82)(84,95,87)(85,90,93)(88,97,100),
 (1,2,51,52,70)(3,8,17,61,7)(4,19,88,95,24)(5,72,49,74,77)(6,84,37,83,23)(9,80,27,20,64)(10,87,98,25,16)(11,69,12,90,26)(13,62,93,30,65)(14,56,91,31,78)(15,89,38,85,28)(18,58,50,53,66)(21,76,22,59,60)(29,43,45,63,86)(32,46,41,54,81)(33,82,36,42,79)(34,92,96,97,99)(35,73,44,94,100)(39,71,40,75,67)(47,68,48,57,55),

$(1, 2, 66, 18, 62, 93, 26, 11, 61, 7)(3, 21, 51, 47, 58, 85, 30, 41, 69, 16)(4, 12, 77, 8, 9, 52, 40, 50, 42, 65)(5, 55, 80, 38, 75, 46, 79, 25,$
 $19, 60)(6, 67, 91, 33, 43, 88, 35, 72, 92, 27)(10, 53, 76, 13, 68, 90, 28, 17, 54, 70)(14, 56, 86, 29, 94, 100, 99, 34, 83, 23)(15, 71, 81, 36,$
 $87, 24, 22, 74, 48, 64)(20, 63, 39, 44, 82, 97, 95, 37, 49, 78)(31, 59, 45, 57, 73, 89, 96, 32, 84, 98),$
 $(1, 3, 90, 93, 50)(2, 8, 26, 30, 53)(4, 33, 71, 80, 49)(5, 95, 42, 67, 64)(6, 97, 100, 45, 14)(7, 12, 62, 58, 70)(9, 72, 24, 79, 39)(10, 32,$
 $85, 48, 60)(11, 65, 66, 51, 17)(13, 18, 52, 61, 69)(15, 55, 76, 98, 41)(16, 81, 38, 68, 59)(19, 82, 40, 27, 74)(20, 77, 88, 36, 75)(21, 87,$
 $46, 28, 57)(22, 25, 54, 89, 47)(23, 96, 94, 43, 78)(29, 31, 83, 92, 44)(34, 73, 86, 91, 37)(35, 63, 56, 84, 99),$
 $(1, 3, 88, 100, 36)(2, 87, 99, 35, 21)(4, 54, 80, 44, 31)(5, 63, 84, 42, 28)(6, 85, 93, 48, 14)(7, 81, 94, 43, 16)(8, 57, 95, 46, 53)(9, 76,$
 $79, 37, 73)(10, 75, 97, 45, 77)(11, 15, 86, 91, 41)(12, 59, 82, 38, 70)(13, 52, 89, 49, 25)(17, 65, 98, 39, 55)(18, 22, 83, 92, 47)(19, 78,$
 $96, 40, 68)(20, 60, 90, 50, 32)(23, 74, 62, 58, 27)(24, 66, 51, 72, 34)(26, 30, 67, 56, 64)(29, 71, 61, 69, 33),$
 $(1, 4, 2, 16, 76)(3, 71, 5, 70, 73)(6, 22, 46, 78, 65)(7, 41, 10, 61, 42)(8, 43, 15, 60, 44)(9, 93, 47, 28, 62)(11, 85, 54, 26, 40)(12, 91,$
 $48, 25, 63)(13, 84, 58, 24, 75)(14, 89, 56, 27, 39)(17, 45, 69, 64, 19)(18, 21, 68, 66, 77)(20, 83, 57, 23, 72)(29, 67, 82, 86, 32)(30, 74,$
 $79, 90, 31)(33, 95, 94, 98, 100)(34, 88, 49, 99, 59)(35, 81, 55, 97, 52)(36, 80, 53, 96, 51)(37, 50, 92, 87, 38),$
 $(1, 4, 63, 27, 65)(2, 68, 79, 48, 69)(3, 18, 28, 19, 15)(5, 81, 51, 93, 54)(6, 29, 95, 38, 24)(7, 76, 75, 22, 30)(8, 62, 9, 97, 33)(10, 80,$
 $87, 58, 11)(12, 66, 77, 44, 67)(13, 21, 96, 86, 32)(14, 89, 53, 16, 73)(17, 85, 31, 99, 59)(20, 25, 64, 43, 34)(23, 39, 60, 71, 35)(26, 40,$
 $37, 88, 52)(36, 92, 56, 82, 55)(41, 45, 83, 57, 70)(42, 78, 72, 50, 61)(46, 74, 91, 100, 49)(47, 84, 94, 98, 90),$
 $(1, 4, 64, 62, 9, 36, 61, 42, 74, 66, 77, 71, 26, 40, 24)(2, 96, 55, 93, 31, 46, 7, 73, 60, 18, 84, 38, 11, 45, 25)(3, 44, 95, 58, 37, 20, 69, 63,$
 $82, 51, 97, 49, 30, 78, 39)(5, 23, 65, 75, 29, 8, 19, 34, 50, 80, 56, 12, 79, 100, 52)(6, 13, 28, 43, 17, 10, 92, 53, 68, 91, 90, 54, 35, 70, 76)$
 $(14, 89, 87, 94, 98, 48, 83, 57, 81, 86, 32, 22, 99, 59, 15)(16, 41, 85, 47, 21)(27, 72, 88, 33, 67),$
 $(1, 5, 98, 61, 19, 32, 26, 79, 89, 62, 75, 57, 66, 80, 59)(2, 15, 52, 7, 48, 8, 11, 22, 12, 93, 87, 65, 18, 81, 50)(3, 30, 51, 69, 58)(4, 94, 60,$
 $42, 86, 25, 40, 14, 46, 9, 83, 38, 77, 99, 55)(6, 35, 91, 92, 43)(10, 67, 17, 54, 27, 90, 28, 72, 13, 68, 88, 53, 76, 33, 70)(16, 97, 95, 41, 44,$
 $82, 85, 63, 39, 47, 78, 20, 21, 37, 49)(23, 36, 84, 34, 71, 96, 100, 64, 73, 29, 74, 45, 56, 24, 31),$
 $(1, 6)(2, 56)(3, 14)(4, 25)(5, 57)(7, 23)(8, 63)(9, 55)(10, 20)(11, 34)(12, 78)(13, 31)(15, 72)(16, 74)(17, 73)(18, 29)(19,$
 $59)(21, 64)(22, 33)(24, 41)(26, 35)(27, 81)(28, 95)(30, 99)(32, 75)(36, 85)(37, 65)(38, 40)(39, 76)(42, 46)(43, 62)(44, 52)$
 $(45, 90)(47, 71)(48, 88)(49, 54)(50, 97)(51, 86)(53, 84)(58, 94)(60, 77)(61, 92)(66, 91)(67, 87)(68, 82)(69, 83)(70, 96)(79,$
 $98)(80, 89)(93, 100),$
 $(1, 7, 61, 11, 26, 93, 62, 18, 66, 2)(3, 16, 69, 41, 30, 85, 58, 47, 51, 21)(4, 65, 42, 50, 40, 52, 9, 8, 77, 12)(5, 60, 19, 25, 79, 46, 75, 38,$
 $80, 55)(6, 27, 92, 72, 35, 88, 43, 33, 91, 67)(10, 70, 54, 17, 28, 90, 68, 13, 76, 53)(14, 23, 83, 34, 99, 100, 94, 29, 86, 56)(15, 64, 48, 74,$
 $22, 24, 87, 36, 81, 71)(20, 78, 49, 37, 95, 97, 82, 44, 39, 63)(31, 98, 84, 32, 96, 89, 73, 57, 45, 59),$
 $(1, 7, 69, 65, 53)(2, 3, 12, 13, 66)(4, 79, 67, 20, 74)(5, 88, 82, 71, 9)(6, 96, 44, 86, 56)(8, 90, 62, 18, 51)(10, 81, 89, 55, 21)(11, 30,$
 $50, 70, 61)(14, 23, 92, 73, 63)(15, 57, 60, 16, 54)(17, 26, 93, 58, 52)(19, 33, 39, 64, 77)(22, 98, 46, 85, 68)(24, 42, 75, 27, 49)(25, 41,$
 $28, 48, 59)(29, 91, 84, 97, 94)(31, 37, 99, 100, 43)(32, 38, 47, 76, 87)(34, 35, 45, 78, 83)(36, 40, 80, 72, 95),$
 $(1, 8, 11, 13, 58)(2, 17, 69, 62, 50)(3, 26, 65, 18, 70)(4, 82, 75, 64, 72)(5, 24, 33, 40, 20)(6, 99, 73, 29, 78)(7, 90, 30, 66, 52)(9, 49,$
 $19, 36, 67)(10, 46, 15, 47, 59)(12, 93, 53, 51, 61)(14, 84, 34, 44, 43)(16, 32, 28, 55, 22)(21, 98, 54, 38, 48)(23, 97, 35, 86, 31)(25, 81,$
 $85, 57, 76)(27, 77, 95, 79, 71)(37, 92, 94, 45, 56)(39, 80, 74, 88, 42)(41, 89, 68, 60, 87)(63, 91, 83, 96, 100),$
 $(1, 9, 74, 26, 4, 36, 66, 40, 64, 61, 77, 24, 62, 42, 71)(2, 31, 60, 11, 96, 46, 18, 45, 55, 7, 84, 25, 93, 73, 38)(3, 37, 82, 30, 44, 20, 51, 78,$
 $95, 69, 97, 39, 58, 63, 49)(5, 29, 50, 79, 23, 8, 80, 100, 65, 19, 56, 52, 75, 34, 12)(6, 17, 68, 35, 13, 10, 91, 70, 28, 92, 90, 76, 43, 53, 54)$
 $(14, 98, 81, 99, 89, 48, 86, 59, 87, 83, 32, 15, 94, 57, 22)(16, 21, 47, 85, 41)(27, 67, 33, 88, 72),$
 $(1, 9, 7, 21, 54)(2, 47, 10, 66, 40)(3, 24, 19, 53, 31)(4, 93, 41, 68, 26)(5, 13, 45, 51, 74)(6, 15, 38, 63, 52)(8, 92, 48, 55, 78)(11, 16,$
 $28, 61, 77)(12, 35, 22, 60, 37)(14, 98, 23, 67, 49)(17, 96, 30, 71, 75)(18, 85, 76, 62, 42)(20, 86, 59, 56, 33)(25, 97, 65, 43, 87)(27, 95,$
 $83, 32, 34)(29, 88, 39, 94, 57)(36, 79, 70, 84, 69)(44, 50, 91, 81, 46)(58, 64, 80, 90, 73)(72, 82, 99, 89, 100),$
 $(1, 9, 78, 67, 52)(2, 54, 75, 15, 58)(3, 11, 68, 5, 22)(4, 97, 72, 12, 26)(6, 34, 82, 46, 71)(7, 28, 80, 48, 51)(8, 61, 77, 37, 27)(10, 79,$
 $81, 30, 18)(13, 85, 73, 94, 57)(14, 98, 70, 21, 31)(16, 84, 83, 32, 17)(19, 87, 69, 93, 76)(20, 55, 74, 35, 29)(23, 95, 25, 36, 91)(24, 43,$
 $56, 49, 60)(33, 50, 66, 40, 63)(38, 64, 92, 100, 39)(41, 96, 99, 89, 90)(42, 44, 88, 65, 62)(45, 86, 59, 53, 47),$
 $(1, 11, 62, 2, 61, 93, 66, 7, 26, 18)(3, 41, 58, 21, 69, 85, 51, 16, 30, 47)(4, 50, 9, 12, 42, 52, 77, 65, 40, 8)(5, 25, 75, 55, 19, 46, 80, 60,$
 $79, 38)(6, 72, 43, 67, 92, 88, 91, 27, 35, 33)(10, 17, 68, 53, 54, 90, 76, 70, 28, 13)(14, 34, 94, 56, 83, 100, 86, 23, 99, 29)(15, 74, 87, 71,$
 $48, 24, 81, 64, 22, 36)(20, 37, 82, 63, 49, 97, 39, 78, 95, 44)(31, 32, 73, 59, 84, 89, 45, 98, 96, 57),$

$(1,12,25,66,8,60,62,52,55,26,50,38,61,65,46)(2,32,74,18,98,64,93,59,71,11,57,36,7,89,24)(3,82,47,51,95,85,58,49,41,30,20,16,69,39,21)(4,15,56,77,81,29,9,87,100,40,22,34,42,48,23)(5,14,96,80,86,84,75,94,31,79,99,45,19,83,73)(6,68,33,91,28,88,43,54,72,35,10,27,92,76,67)(13,17,53,90,70)(37,63,97,78,44),$
 $(1,12,18,17,30)(2,90,58,61,65)(3,62,52,11,53)(4,39,5,36,27)(6,94,31,34,63)(7,13,51,26,50)(8,93,70,69,66)(9,95,75,74,33)(10,38,22,41,57)(14,96,29,37,35)(15,21,32,68,25)(16,89,76,46,48)(19,71,72,42,20)(23,44,91,99,45)(24,67,77,82,80)(28,60,81,47,98)(40,49,79,64,88)(43,83,73,56,97)(54,55,87,85,59)(78,92,86,84,100),$
 $(1,13,26,70,66,90,61,53,62,17)(2,38,11,60,18,46,7,55,93,25)(3,71,30,74,51,36,69,64,58,24)(4,57,40,98,77,89,42,59,9,32)(5,23,79,100,80,56,19,34,75,29)(6,22,35,81,91,48,92,87,43,15)(8,16,65,85,52,21,12,41,50,47)(10,49,28,82,76,20,54,95,68,39)(14,44,99,78,86,97,83,63,94,37)(27,73,88,31,67,96,72,45,33,84),$
 $(1,26,66,61,62)(2,11,18,7,93)(3,30,51,69,58)(4,40,77,42,9)(5,79,80,19,75)(6,35,91,92,43)(8,65,52,12,50)(10,28,76,54,68)(13,70,90,53,17)(14,99,86,83,94)(15,22,81,48,87)(16,85,21,41,47)(20,95,39,49,82)(23,100,56,34,29)(24,71,74,36,64)(25,38,60,46,55)(27,88,67,72,33)(31,96,45,84,73)(32,57,98,89,59)(37,44,78,97,63),$
 $(1,61,26,62,66)(2,7,11,93,18)(3,69,30,58,51)(4,42,40,9,77)(5,19,79,75,80)(6,92,35,43,91)(8,12,65,50,52)(10,54,28,68,76)(13,53,70,17,90)(14,83,99,94,86)(15,48,22,87,81)(16,41,85,47,21)(20,49,95,82,39)(23,34,100,29,56)(24,36,71,64,74)(25,46,38,55,60)(27,72,88,33,67)(31,84,96,73,45)(32,89,57,59,98)(37,97,44,63,78),$
 $(1,62,61,66,26)(2,93,7,18,11)(3,58,69,51,30)(4,9,42,77,40)(5,75,19,80,79)(6,43,92,91,35)(8,50,12,52,65)(10,68,54,76,28)(13,17,53,90,70)(14,94,83,86,99)(15,87,48,81,22)(16,47,41,21,85)(20,82,49,39,95)(23,29,34,56,100)(24,64,36,74,71)(25,55,46,60,38)(27,33,72,67,88)(31,73,84,45,96)(32,59,89,98,57)(37,63,97,78,44),$
 $(1,66,62,26,61)(2,18,93,11,7)(3,51,58,30,69)(4,77,9,40,42)(5,80,75,79,19)(6,91,43,35,92)(8,52,50,65,12)(10,76,68,28,54)(13,90,17,70,53)(14,86,94,99,83)(15,81,87,22,48)(16,21,47,85,41)(20,39,82,95,49)(23,56,29,100,34)(24,74,64,71,36)(25,60,55,38,46)(27,67,33,88,72)(31,45,73,96,84)(32,98,59,57,89)(37,78,63,44,97).$

The character table of G^{s_9} :

	10																		20	
$\chi_9^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
$\chi_9^{(2)}$	1	1	A	A	1	1	/B	/B	/B	A	1	/A	/A	A	B	B	B	B	/A	/A
$\chi_9^{(3)}$	1	1	B	B	1	1	A	A	A	B	1	/B	/B	B	/A	/A	/A	/A	/B	/B
$\chi_9^{(4)}$	1	1	/B	/B	1	1	/A	/A	/A	/B	1	B	B	/B	A	A	A	A	B	B
$\chi_9^{(5)}$	1	1	/A	/A	1	1	B	B	B	/A	1	A	A	/A	/B	/B	/B	/B	A	A
$\chi_9^{(6)}$	3	.	C	-A	E	*E	D	/F	.	.	-1	-A	/C	/G	.	/D	F	-B	.	G
$\chi_9^{(7)}$	3	.	D	-B	*E	E	/C	G	.	.	-1	-B	/D	/F	.	C	/G	-A	.	F
$\chi_9^{(8)}$	3	.	/D	-B	*E	E	C	/G	.	.	-1	-B	D	F	.	/C	G	-A	.	/F
$\chi_9^{(9)}$	3	.	/C	-A	E	*E	/D	F	.	.	-1	-A	C	G	.	D	/F	-B	.	/G
$\chi_9^{(10)}$	3	.	E	-1	*E	E	*E	E	.	.	-1	-1	E	*E	.	*E	E	-1	.	*E
$\chi_9^{(11)}$	3	.	*E	-1	E	*E	E	*E	.	.	-1	-1	*E	E	.	E	*E	-1	.	E
$\chi_9^{(12)}$	3	.	F	-B	E	*E	/G	C	.	.	-1	-B	/F	/D	.	G	/C	-A	.	D
$\chi_9^{(13)}$	3	.	G	-A	*E	E	F	/D	.	.	-1	-A	/G	/C	.	/F	D	-B	.	C
$\chi_9^{(14)}$	3	.	/G	-A	*E	E	/F	D	.	.	-1	-A	G	C	.	F	/D	-B	.	/C
$\chi_9^{(15)}$	3	.	/F	-B	E	*E	G	/C	.	.	-1	-B	F	D	.	/G	C	-A	.	/D
$\chi_9^{(16)}$	4	1	-1	.	-1	-1	-1	-1	1	1	.	.	-1	-1	1	-1	-1	.	1	-1
$\chi_9^{(17)}$	4	1	-A	.	-1	-1	-B	-B	/B	A	.	.	-A	-A	B	-B	-B	.	/A	-A
$\chi_9^{(18)}$	4	1	-B	.	-1	-1	-A	-A	A	B	.	.	-B	-B	/A	-A	-A	.	/B	-B
$\chi_9^{(19)}$	4	1	-B	.	-1	-1	-A	-A	/A	/B	.	.	-B	-B	A	-A	-A	.	B	-B
$\chi_9^{(20)}$	4	1	-A	.	-1	-1	-B	-B	B	/A	.	.	-A	-A	/B	-B	-B	.	A	-A
$\chi_9^{(21)}$	5	-1	.	1	.	.	.	.	-1	-1	1	1	.	.	-1	.	.	1	-1	.
$\chi_9^{(22)}$	5	-1	.	A	.	.	.	.	-B	-A	1	/A	.	.	-B	.	.	B	-A	.
$\chi_9^{(23)}$	5	-1	.	B	.	.	.	.	-A	-B	1	/B	.	.	-A	.	.	/A	-B	.
$\chi_9^{(24)}$	5	-1	.	/B	.	.	.	.	-A	-B	1	B	.	.	-A	.	.	A	-B	.
$\chi_9^{(25)}$	5	-1	.	/A	.	.	.	.	-B	-A	1	A	.	.	-B	.	.	/B	-A	.

$\chi_9^{(1)}$	1	1	1	1	1
$\chi_9^{(2)}$	/B	A	/B	/A	B
$\chi_9^{(3)}$	A	B	A	/B	/A
$\chi_9^{(4)}$	/A	/B	/A	B	A
$\chi_9^{(5)}$	B	/A	B	A	/B
$\chi_9^{(6)}$	-/B	H	I	/H	/I
$\chi_9^{(7)}$	-/A	I	/H	/I	H
$\chi_9^{(8)}$	-A	/I	H	I	/H
$\chi_9^{(9)}$	-B	/H	/I	H	I
$\chi_9^{(10)}$	-1	3	3	3	3
$\chi_9^{(11)}$	-1	3	3	3	3
$\chi_9^{(12)}$	-A	/I	H	I	/H
$\chi_9^{(13)}$	-B	/H	/I	H	I
$\chi_9^{(14)}$	-/B	H	I	/H	/I
$\chi_9^{(15)}$	-/A	I	/H	/I	H
$\chi_9^{(16)}$	.	4	4	4	4
$\chi_9^{(17)}$	.	J	/K	/J	K
$\chi_9^{(18)}$	.	K	J	/K	/J
$\chi_9^{(19)}$	.	/K	/J	K	J
$\chi_9^{(20)}$	.	/J	K	J	/K
$\chi_9^{(21)}$	1	5	5	5	5
$\chi_9^{(22)}$	/B	L	/M	/L	M
$\chi_9^{(23)}$	A	M	L	/M	/L
$\chi_9^{(24)}$	/A	/M	/L	M	L
$\chi_9^{(25)}$	B	/L	M	L	/M

where $A = E(5)^4$; $B = E(5)^3$; $C = -E(5)-E(5)^2$; $D = -E(5)-E(5)^3$; $E = -E(5)-E(5)^4 = (1-ER(5))/2 = -b5$; $F = E(5)^2+E(5)^3+E(5)^4$; $G = E(5)+E(5)^3+E(5)^4$; $H = 3^*E(5)^4$; $I = 3^*E(5)^2$; $J = 4^*E(5)^4$; $K = 4^*E(5)^3$; $L = 5^*E(5)^4$; $M = 5^*E(5)^3$.

The generators of $G^{s_{10}}$ are:

(1, 43, 80, 66, 35, 75, 62, 92, 79, 26, 6, 19, 61, 91, 5)(2, 36, 78, 18, 24, 63, 93, 74, 44, 11, 64, 97, 7, 71, 37)(
3, 38, 83, 51, 46, 14, 58, 25, 86, 30, 60, 94, 69, 55, 99)(4, 9, 42, 77, 40)(8, 20, 27, 52, 39, 67, 50, 82, 33, 65,
95, 88, 12, 49, 72)(10, 16, 31, 76, 21, 45, 68, 47, 73, 28, 85, 96, 54, 41, 84)(13, 34, 87, 90, 23, 22, 17, 56, 48,
70, 29, 15, 53, 100, 81) (32, 59, 89, 98, 57)

The representatives of conjugacy classes of $G^{s_{10}}$ are:

(1), (1,5,91,61,19,6,26,79,92,62,75,35,66,80,43)(2,37,71,7,97,64,11,44,74,93,63,24,18,78,36)(3,99,55,69,94,60,30,86,
25,58,14,46,51,83,38)(4,40,77,42,9)(8,72,49,12,88,95,65,33,82,50,67,39,52,27,20)(10,84,41,54,96,85,28,73,47,68,45,
21,76,31,16)(13,81,100,53,15,29,70,48,56,17,22,23,90,87,34)(32,57,98,89,59),

(1,6,75)(2,64,63)(3,60,14)(5,26,35)(7,74,78)(8,95,67)(10,85,45)(11,24,37)(12,82,27)(13,29,22)(15,17,34)(16,96,
68)(18,71,44)(19,62,43)(20,88,50)(21,84,28)(23,81,70)(25,83,69)(30,46,99)(31,54,47)(33,52,49)(36,97,93)(38,94,58)
(39,72,65)(41,73,76)(48,90,100)(51,55,86)(53,56,87)(61,92,80)(66,91,79),

(1,19,92,66,5,6,62,80,91,26,75,43,61,79,35)(2,97,74,18,37,64,93,78,71,11,63,36,7,44,24)(3,94,25,51,99,60,58,83,
55,30,14,38,69,86,46)(4,9,42,77,40)(8,88,82,52,72,95,50,27,49,65,67,20,12,33,39)(10,96,47,76,84,85,68,31,41,28,45,
16,54,73,21)(13,15,56,90,81,29,17,87,100,70,22,34,53,48,23)(32,59,89,98,57),

(1,26,66,61,62)(2,11,18,7,93)(3,30,51,69,58)(4,40,77,42,9)(5,79,80,19,75)(6,35,91,92,43)(8,65,52,12,50)(10,28,
76,54,68)(13,70,90,53,17)(14,99,86,83,94)(15,22,81,48,87)(16,85,21,41,47)(20,95,39,49,82)(23,100,56,34,29)(24,71,
74,36,64)(25,38,60,46,55)(27,88,67,72,33)(31,96,45,84,73)(32,57,98,89,59)(37,44,78,97,63),

(1,35,79,61,43,75,26,91,80,62,6,5,66,92,19)(2,24,44,7,36,63,11,71,78,93,64,37,18,74,97)(3,46,86,69,38,14,30,55,
 83,58,60,99,51,25,94)(4,40,77,42,9)(8,39,33,12,20,67,65,49,27,50,95,72,52,82,88)(10,21,73,54,16,45,28,41,31,68,85,
 84,76,47,96)(13,23,48,53,34,22,70,100,87,17,29,81,90,56,15)(32,57,98,89,59),
 (1,43,80,66,35,75,62,92,79,26,6,19,61,91,5)(2,36,78,18,24,63,93,74,44,11,64,97,7,71,37)(3,38,83,51,46,14,58,25,
 86,30,60,94,69,55,99)(4,9,42,77,40)(8,20,27,52,39,67,50,82,33,65,95,88,12,49,72)(10,16,31,76,21,45,68,47,73,28,85,
 96,54,41,84)(13,34,87,90,23,22,17,56,48,70,29,15,53,100,81)(32,59,89,98,57),
 (1,61,26,62,66)(2,7,11,93,18)(3,69,30,58,51)(4,42,40,9,77)(5,19,79,75,80)(6,92,35,43,91)(8,12,65,50,52)(10,54,
 28,68,76)(13,53,70,17,90)(14,83,99,94,86)(15,48,22,87,81)(16,41,85,47,21)(20,49,95,82,39)(23,34,100,29,56)(24,36,
 71,64,74)(25,46,38,55,60)(27,72,88,33,67)(31,84,96,73,45)(32,89,57,59,98)(37,97,44,63,78),
 (1,62,61,66,26)(2,93,7,18,11)(3,58,69,51,30)(4,9,42,77,40)(5,75,19,80,79)(6,43,92,91,35)(8,50,12,52,65)(10,68,
 54,76,28)(13,17,53,90,70)(14,94,83,86,99)(15,87,48,81,22)(16,47,41,21,85)(20,82,49,39,95)(23,29,34,56,100)(24,64,
 36,74,71)(25,55,46,60,38)(27,33,72,67,88)(31,73,84,45,96)(32,59,89,98,57)(37,63,97,78,44),
 (1,66,62,26,61)(2,18,93,11,7)(3,51,58,30,69)(4,77,9,40,42)(5,80,75,79,19)(6,91,43,35,92)(8,52,50,65,12)(10,76,
 68,28,54)(13,90,17,70,53)(14,86,94,99,83)(15,81,87,22,48)(16,21,47,85,41)(20,39,82,95,49)(23,56,29,100,34)(24,74,
 64,71,36)(25,60,55,38,46)(27,67,33,88,72)(31,45,73,96,84)(32,98,59,57,89)(37,78,63,44,97),
 (1,75,6)(2,63,64)(3,14,60)(5,35,26)(7,78,74)(8,67,95)(10,45,85)(11,37,24)(12,27,82)(13,22,29)(15,34,17)(16,68,
 96)(18,44,71)(19,43,62)(20,50,88)(21,28,84)(23,70,81)(25,69,83)(30,99,46)(31,47,54)(33,49,52)(36,93,97)(38,58,94)
 (39,65,72)(41,76,73)(48,100,90)(51,86,55)(53,87,56)(61,80,92)(66,79,91),
 (1,79,43,26,80,6,66,19,35,61,75,91,62,5,92)(2,44,36,11,78,64,18,97,24,7,63,71,93,37,74)(3,86,38,30,83,60,51,94,
 46,69,14,55,58,99,25)(4,77,9,40,42)(8,33,20,65,27,95,52,88,39,12,67,49,50,72,82)(10,73,16,28,31,85,76,96,21,54,45,
 41,68,84,47)(13,48,34,70,87,29,90,15,23,53,22,100,17,81,56)(32,98,59,57,89),
 (1,80,35,62,79,6,61,5,43,66,75,92,26,19,91)(2,78,24,93,44,64,7,37,36,18,63,74,11,97,71)(3,83,46,58,86,60,69,99,
 38,51,14,25,30,94,55)(4,42,40,9,77)(8,27,39,50,33,95,12,72,20,52,67,82,65,88,49)(10,31,21,68,73,85,54,84,16,76,45,
 47,28,96,41)(13,87,23,17,48,29,53,81,34,90,22,56,70,15,100)(32,89,57,59,98),
 (1,91,19,26,92,75,66,43,5,61,6,79,62,35,80)(2,71,97,11,74,63,18,36,37,7,64,44,93,24,78)(3,55,94,30,25,14,51,38,
 99,69,60,86,58,46,83)(4,77,9,40,42)(8,49,88,65,82,67,52,20,72,12,95,33,50,39,27)(10,41,96,28,47,45,76,16,84,54,85,
 73,68,21,31)(13,100,15,70,56,22,90,34,81,53,29,48,17,23,87)(32,98,59,57,89),
 (1,92,5,62,91,75,61,35,19,66,6,80,26,43,79)(2,74,37,93,71,63,7,24,97,18,64,78,11,36,44)(3,25,99,58,55,14,69,46,
 94,51,60,83,30,38,86)(4,42,40,9,77)(8,82,72,50,49,67,12,39,88,52,95,27,65,20,33)(10,47,84,68,41,45,54,21,96,76,85,
 31,28,16,73)(13,56,81,17,100,22,53,23,15,90,29,87,70,34,48)(32,89,57,59,98).

The character table of $G^{s_{10}}$:

	10														
$\chi_{10}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{10}^{(2)}$	1	A	/A	A	1	/A	/A	1	1	1	A	A	A	/A	/A
$\chi_{10}^{(3)}$	1	/A	A	/A	1	A	A	1	1	1	/A	/A	/A	A	A
$\chi_{10}^{(4)}$	1	B	1	/B	B	B	/B	/E	/B	E	1	E	/E	E	/E
$\chi_{10}^{(5)}$	1	C	/A	/D	B	D	/C	/E	/B	E	A	F	/G	G	/F
$\chi_{10}^{(6)}$	1	D	A	/C	B	C	/D	/E	/B	E	/A	G	/F	F	/G
$\chi_{10}^{(7)}$	1	E	1	/E	E	E	/E	B	/E	/B	1	/B	B	/B	B
$\chi_{10}^{(8)}$	1	F	/A	/G	E	G	/F	B	/E	/B	A	/D	C	/C	D
$\chi_{10}^{(9)}$	1	G	A	/F	E	F	/G	B	/E	/B	/A	/C	D	/D	C
$\chi_{10}^{(10)}$	1	/E	1	E	/E	/E	E	/B	E	B	1	B	/B	B	/B
$\chi_{10}^{(11)}$	1	/G	/A	F	/E	/F	G	/B	E	B	A	C	/D	D	/C
$\chi_{10}^{(12)}$	1	/F	A	G	/E	/G	F	/B	E	B	/A	D	/C	C	/D
$\chi_{10}^{(13)}$	1	/B	1	B	/B	/B	B	E	B	/E	1	/E	E	/E	E
$\chi_{10}^{(14)}$	1	/D	/A	C	/B	/C	D	E	B	/E	A	/G	F	/F	G
$\chi_{10}^{(15)}$	1	/C	A	D	/B	/D	C	E	B	/E	/A	/F	G	/G	F

where $A = E(3)^2 = (-1-ER(-3))/2 = -1-b3$; $B = E(5)^3$; $C = E(15)^4$; $D = E(15)^{14}$; $E = E(5)$; $F = E(15)^{13}$; $G = E(15)^8$.

The generators of $G^{s_{11}}$ are:

(1, 75, 6)(2, 63, 64)(3, 14, 60)(5, 35, 26)(7, 78, 74) (8, 67, 95)(10, 45, 85)(11, 37, 24)(12, 27, 82)(13, 22, 29)(15, 34, 17) (16, 68, 96)(18, 44, 71)(19, 43, 62)(20, 50, 88)(21, 28, 84)(23, 70, 81) (25, 69, 83)(30, 99, 46)(31, 47, 54)(33, 49, 52)(36, 93, 97)(38, 58, 94) (39, 65, 72)(41, 76, 73)(48,100, 90)(51, 86, 55)(53, 87, 56)(61, 80, 92) (66, 79, 91), (2, 5)(3, 13)(4, 9)(7, 18)(10, 16)(11, 19)(12, 20) (14, 22)(23, 55)(24, 62)(25, 38)(26, 64)(27, 50)(29, 60)(30, 53) (31, 41)(32, 59)(33, 65)(35, 63)(36, 61)(37, 43)(39, 52)(40, 77) (44, 78)(45, 68)(46, 56)(47, 76)(49, 72)(51, 70)(54, 73)(58, 69) (71, 74)(80, 93)(81, 86)(82, 88)(83, 94)(85, 96)(87, 99)(89, 98) (92, 97), (2, 7)(4, 9)(5, 19)(8, 12)(11, 18)(13, 17)(15, 22) (16, 21)(23, 56)(24, 71)(25, 55)(26, 62)(27, 67)(28, 68)(29, 34) (30, 58)(31, 73)(33, 72)(35, 43)(37, 44)(38, 46)(39, 49)(40, 42) (41, 47)(51, 69)(52, 65)(53, 70)(54, 76)(57, 59)(61, 66)(63, 78) (64, 74)(79, 80)(81, 87)(82, 95)(83, 86)(84, 96)(89, 98)(91, 92) (94, 99), (1, 2, 6, 64, 75, 63)(3, 14, 60)(4, 77)(5, 92, 26, 80, 35, 61)(7, 78, 74)(8, 82, 95, 27, 67, 12)(10, 47, 85, 31, 45, 54) (11, 91, 24, 79, 37, 66)(13, 87, 29, 53, 22, 56)(15, 55, 17, 86, 34, 51) (16, 84, 96, 28, 68, 21)(18, 43, 71, 19, 44, 62)(20, 49, 88, 33, 50, 52) (23, 69, 81, 25, 70, 83)(30, 48, 46, 90, 99,100)(32, 89)(36, 93, 97) (38, 58, 94)(39, 65, 72)(40, 42)(41, 76, 73)(57, 59), (1, 3, 75, 14, 6, 60)(2, 15, 78, 29, 64, 17, 7, 22, 63, 34, 74, 13) (4, 57, 9, 59)(5, 86, 43, 25, 26, 51, 19, 83, 35, 55, 62, 69) (8, 76, 27, 31, 95, 41, 12, 54, 67, 73, 82, 47)(10, 88, 45, 20, 85, 50) (11, 81, 44, 56, 24, 70, 18, 87, 37, 23, 71, 53)(16, 52, 28, 72, 96, 49, 21, 65, 68, 33, 84, 39)(30, 79, 94, 92, 46, 66, 58, 80, 99, 91, 38, 61)(32, 77) (36, 90, 93, 48, 97,100)(40, 89, 42, 98).

The representatives of conjugacy classes of $G^{s_{11}}$ are:

(1), (2,5)(3,13)(4,9)(7,18)(10,16)(11,19)(12,20)(14,22)(23,55)(24,62)(25,38)(26,64)(27,50)(29,60)(30,53)(31,41)(32,59)(33,65)(35,63)(36,61)(37,43)(39,52)(40,77)(44,78)(45,68)(46,56)(47,76)(49,72)(51,70)(54,73)(58,69)(71,74)(80,93)(81,86)(82,88)(83,94)(85,96)(87,99)(89,98)(92,97),

(2,18,19)(3,13,17)(5,11,7)(8,20,12)(10,16,21)(14,22,15)(23,46,25)(24,74,26)(27,67,50)(28,45,68)(29,34,60)(30,69,70)(31,54,47)(32,59,57)(33,49,52)(35,37,78)(36,61,66)(38,56,55)(39,72,65)(40,42,77)(41,76,73)(43,63,44)(51,58,53)(62,64,71)(79,93,80)(81,99,83)(82,95,88)(84,85,96)(86,94,87)(91,97,92),

(1,2,6,64,75,63)(3,14,60)(4,77)(5,92,26,80,35,61)(7,78,74)(8,82,95,27,67,12)(10,47,85,31,45,54)(11,91,24,79,37,66)(13,87,29,53,22,56)(15,55,17,86,34,51)(16,84,96,28,68,21)(18,43,71,19,44,62)(20,49,88,33,50,52)(23,69,81,25,70,83)(30,48,46,90,99,100)(32,89)(36,93,97)(38,58,94)(39,65,72)(40,42)(41,76,73)(57,59),

(1,2,43)(3,87,34)(4,77,42)(5,91,36)(6,64,19)(7,92,24)(8,49,20)(10,84,31)(11,78,61)(12,82,27)(13,86,38)(14,56,17)(15,60,53)(18,44,71)(21,47,45)(22,55,58)(23,90,99)(25,69,83)(26,79,97)(28,54,85)(29,51,94)(30,81,100)(32,57,89)(33,88,95)(35,66,93)(37,74,80)(41,73,76)(46,70,48)(50,67,52)(62,75,63),

(1,2,91,36,11,6,64,79,97,24,75,63,66,93,37)(3,86,100,30,15,60,51,48,46,17,14,55,90,99,34)(4,9,77,40,42)(5,43,74,18,92,26,19,78,71,80,35,62,7,44,61)(8,49,72,20,82,95,33,65,88,27,67,52,39,50,12)(10,16,84,31,73,85,96,28,54,76,45,68,21,47,41)(13,87,23,58,83,29,53,81,38,69,22,56,70,94,25)(32,59,57,89,98),

(1,3,75,14,6,60)(2,15,78,29,64,17,7,22,63,34,74,13)(4,57,9,59)(5,86,43,25,26,51,19,83,35,55,62,69)(8,76,27,31,95,41,12,54,67,73,82,47)(10,88,45,20,85,50)(11,81,44,56,24,70,18,87,37,23,71,53)(16,52,28,72,96,49,21,65,68,33,84,39)(30,79,94,92,46,66,58,80,99,91,38,61)(32,77)(36,90,93,48,97,100)(40,89,42,98),

(1,3,7,83,37,34)(2,81,92,46,62,13)(4,59)(5,87,35,56,26,53)(6,60,74,69,11,15)(8,85,39,84,50,73)(9,57,77,98,42,32)(10,65,21,88,41,67)(12,54)(14,78,25,24,17,75)(16,52,96,49,68,33)(18,86,91,100,36,58)(19,22,63,23,61,30)(20,76,95,45,72,28)(27,31)(29,64,70,80,99,43)(38,71,51,79,48,97)(40,89)(44,55,66,90,93,94)(47,82),

(1,6,75)(2,24,63,11,64,37)(3,34,14,17,60,15)(4,9)(5,71,35,18,26,44)(7,62,78,19,74,43)(8,88,67,20,95,50)(10,84,45,21,85,28)(12,82,27)(13,29,22)(16,96,68)(23,94,70,38,81,58)(25,87,69,56,83,53)(30,55,99,51,46,86)(31,41,47,76,54,73)(32,57)(33,72,49,39,52,65)(36,91,93,66,97,79)(42,77)(48,90,100)(61,92,80)(89,98),

(1,6,75)(2,62,44)(3,34,22)(5,74,37)(7,24,35)(8,82,50)(10,84,68)(11,26,78)(12,88,67)(13,60,15)(14,17,29)(16,85,28)(18,64,43)(19,71,63)(20,95,27)(21,96,45)(23,83,30)(25,99,70)(32,57,59)(33,49,52)(36,91,80)(38,86,53)(40,77,42)(41,76,73)(46,81,69)(48,90,100)(51,56,94)(55,87,58)(61,97,79)(66,92,93),

(1,6,75)(2,64,63)(3,60,14)(5,26,35)(7,74,78)(8,95,67)(10,85,45)(11,24,37)(12,82,27)(13,29,22)(15,17,34)(16,96,68)(18,71,44)(19,62,43)(20,88,50)(21,84,28)(23,81,70)(25,83,69)(30,46,99)(31,54,47)(33,52,49)(36,97,93)(38,94,58)(39,72,65)(41,73,76)(48,90,100)(51,55,86)(53,56,87)(61,92,80)(66,91,79),

(1,14,74,83,24,15)(2,23,80,46,19,29)(3,78,69,37,17,6)(4,59)(5,56)(7,25,11,34,75,60)(8,10,72,84,88,76)(9,57,77,98,42,32)(12,31,82,54,27,47)(13,63,70,92,30,43)(16,33,68,49,96,52)(18,55,79,100,93,38)(20,73,67,45,39,21)(22,64,81,61,99,62)(26,87)(28,50,41,95,85,65)(35,53)(36,94,71,86,66,48)(40,89)(44,51,91,90,97,58),

(1,14)(2,29,7,34)(3,6)(4,59,9,57)(5,25,19,55)(8,31,12,73)(10,20)(11,56,18,23)(13,78,17,63)(15,64,22,74)(16,72,21,33)(24,87,71,81)(26,83,62,86)(27,41,67,47)(28,49,68,39)(30,92,58,91)(32,77)(35,69,43,51)(36,48)(37,53,44,70)(38,79,46,80)(40,98,42,89)(45,50)(52,96,65,84)(54,82,76,95)(60,75)(61,94,66,99)(85,88)(90,97)(93,100),

(1,23,37,48,19,51)(2,3,74,25,92,87)(4,98,42,89,9,57)(5,30,36,38,44,22)(6,81,11,90,62,55)(7,69,61,56,63,14)(8,54,72,21,33,41)(10,12)(13,26,46,97,94,18)(15,79,17,66,34,91)(16,88,68,20,96,50)(24,100,43,86,75,70)(27,45)(28,49,76,67,31,39)(29,35,99,93,58,71)(32,40)(47,65,84,52,73,95)(53,64,60,78,83,80)(59,77)(82,85),

(1,23,97,87,75,70,36,56,6,81,93,53)(2,13,66,38,63,22,79,58,64,29,91,94)(3,26,100,43,14,5,90,62,60,35,48,19)(4,98,42,59)(7,30,61,34,78,99,80,17,74,46,92,15)(8,96,52,41,67,16,33,76,95,68,49,73)(9,57,40,89)(10,88,85,50,45,20)(11,69,24,25,37,83)(12,54,65,28,27,31,72,84,82,47,39,21)(18,51,71,55,44,86)(32,77),

(1,23,6,81,75,70)(2,30,64,46,63,99)(3,26,60,35,14,5)(4,57)(7,13,74,29,78,22)(8,54,95,47,67,31)(9,98)(10,88,85,50,45,20)(11,51,24,55,37,86)(12,96,82,68,27,16)(15,79,17,66,34,91)(18,69,71,25,44,83)(19,90,62,100,43,48)(21,33,84,52,28,49)(32,77)(36,56,97,87,93,53)(38,92,94,80,58,61)(39,73,72,76,65,41)(40,59)(42,89),

(1,24,61,66,71)(2,5,19,7,93)(3,30,53,70,58)(4,42,77,40,9)(6,37,92,91,44)(8,88,12,39,49)(10,96,41,47,84)(11,80,79,18,75)(13,17,69,90,51)(14,99,87,81,94)(15,83,48,86,22)(16,76,54,21,45)(20,27,65,52,67)(23,38,60,46,56)(25,100,55,29,34)(26,62,74,36,64)(28,85,68,73,31)(32,59,98,89,57)(33,95,50,82,72)(35,43,78,97,63),

(1,30,75,99,6,46)(2,48,63,100,64,90)(3,93,14,97,60,36)(4,32)(5,15,35,34,26,17)(7,94,78,38,74,58)(8,21,67,28,95,84)(9,98)(10,52,45,33,85,49)(11,22,37,29,24,13)(12,68,27,96,82,16)(18,83,44,25,71,69)(19,81,43,23,62,70)(20,54,50,31,88,47)(39,73,65,41,72,76)(40,59)(42,57)(51,80,86,92,55,61)(53,79,87,91,56,66)(77,89),

(1,35,93,61,63,75,26,97,80,64,6,5,36,92,2)(3,29,99,90,56,14,13,46,48,53,60,22,30,100,87)(4,40,42,77,9)(7,71,37,79,62,78,18,24,91,19,74,44,11,66,43)(8,20,39,49,12,67,50,65,52,27,95,88,72,33,82)(10,73,47,16,21,45,41,54,68,28,85,76,31,96,84)(15,70,38,83,51,34,81,58,25,86,17,23,94,69,55)(32,98,89,59,57),

(1,48)(2,23)(3,91)(4,89)(5,56)(6,90)(7,55)(8,10)(9,98)(11,38)(12,16)(13,92)(14,66)(15,36)(17,97)(18,25)(19,46)(20,21)(22,61)(24,94)(26,87)(27,68)(28,50)(29,80)(30,43)(31,52)(32,42)(33,47)(34,93)(35,53)(37,58)(39,73)(40,59)(41,65)(44,69)(45,67)(49,54)(51,78)(57,77)(60,79)(62,99)(63,70)(64,81)(71,83)(72,76)(74,86)(75,100)(82,96)(84,88)(85,95),

(1,75,6)(2,63,64)(3,14,60)(5,35,26)(7,78,74)(8,67,95)(10,45,85)(11,37,24)(12,27,82)(13,22,29)(15,34,17)(16,68,96)(18,44,71)(19,43,62)(20,50,88)(21,28,84)(23,70,81)(25,69,83)(30,99,46)(31,47,54)(33,49,52)(36,93,97)(38,58,94)(39,65,72)(41,76,73)(48,100,90)(51,86,55)(53,87,56)(61,80,92)(66,79,91).

The character table of $G^{s_{11}}$:

	10																20			
$\chi_{11}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
$\chi_{11}^{(2)}$	1	1	1	1	1	-1	-1	1	1	1	-1	-1	-1	-1	-1	1	-1	1	-1	
$\chi_{11}^{(3)}$	1	1	1	A	A	A	-/A	-/A	/A	/A	/A	-1	-1	-A	-A	-A	1	-/A	/A	
$\chi_{11}^{(4)}$	1	1	1	/A	/A	/A	-A	-A	A	A	A	-1	-1	-/A	-/A	-/A	1	-A	A	
$\chi_{11}^{(5)}$	1	1	1	A	A	A	/A	/A	/A	/A	/A	1	1	A	A	A	1	/A	/A	
$\chi_{11}^{(6)}$	1	1	1	/A	/A	/A	A	A	A	A	A	1	1	/A	/A	/A	1	A	A	
$\chi_{11}^{(7)}$	4	.	1	.	1	-1	.	1	.	1	4	1	.	1	.	-2	-1	-2	-1	
$\chi_{11}^{(8)}$	4	.	1	.	1	-1	.	-1	.	1	4	-1	.	-1	.	2	-1	2	-1	
$\chi_{11}^{(9)}$	4	.	1	.	/A	-/A	.	A	.	A	C	1	.	/A	.	B	-1	/B	-A	
$\chi_{11}^{(10)}$	4	.	1	.	A	-A	.	/A	.	/A	/C	1	.	A	.	/B	-1	B	-/A	
$\chi_{11}^{(11)}$	4	.	1	.	/A	-/A	.	-A	.	A	C	-1	.	-/A	.	-B	-1	-/B	-A	
$\chi_{11}^{(12)}$	4	.	1	.	A	-A	.	-/A	.	/A	/C	-1	.	-A	.	-/B	-1	-B	-/A	
$\chi_{11}^{(13)}$	5	1	-1	1	-1	.	-1	1	1	-1	5	1	-1	1	-1	1	.	1	.	
$\chi_{11}^{(14)}$	5	1	-1	1	-1	.	1	-1	1	-1	5	-1	1	-1	1	-1	.	-1	.	
$\chi_{11}^{(15)}$	5	1	-1	/A	-/A	.	-A	A	A	-A	D	1	-1	/A	-/A	/A	.	A	.	
$\chi_{11}^{(16)}$	5	1	-1	A	-A	.	-/A	/A	/A	-/A	/D	1	-1	A	-A	A	.	/A	.	
$\chi_{11}^{(17)}$	5	1	-1	/A	-/A	.	A	-A	A	-A	D	-1	1	-/A	/A	-/A	.	-A	.	
$\chi_{11}^{(18)}$	5	1	-1	A	-A	.	/A	-/A	/A	-/A	/D	-1	1	-A	A	-A	.	-/A	.	
$\chi_{11}^{(19)}$	6	-2	.	-2	.	1	.	.	-2	.	6	.	.	.	.	.	1	.	1
$\chi_{11}^{(20)}$	6	-2	.	B	.	/A	.	.	/B	.	E	.	.	.	.	.	1	.	A
$\chi_{11}^{(21)}$	6	-2	.	/B	.	A	.	.	B	.	/E	.	.	.	.	.	1	.	/A

where $A = E(3)^2 = (-1-ER(-3))/2 = -1-b_3$; $B = -2^*E(3) = 1-ER(-3) = 1-i_3$; $C = 4^*E(3)^2 = -2-2^*ER(-3) = -2-2i_3$; $D = 5^*E(3)^2 = (-5-5^*ER(-3))/2 = -5-5b_3$; $E = 6^*E(3)^2 = -3-3^*ER(-3) = -3-3i_3$.

The generators of $G^{s_{12}}$ are:

(1, 19, 23, 84, 81, 82, 52, 53, 38, 45, 10, 4, 72, 77, 32, 86, 98, 85, 50, 42) (2, 12, 71, 51, 96, 29, 80, 25, 43, 48, 16, 22, 79, 26, 75, 33, 24, 59, 92, 46) (3, 95, 100, 47, 15, 20, 61, 41, 44, 5) (6, 67, 90, 60, 94, 66, 17, 63, 36, 76, 14, 97, 70, 87, 35, 58, 7, 34, 40, 69) (8, 83, 55, 93, 57, 9, 30, 64, 37, 73) (11, 65, 49, 54, 13, 88, 74, 62, 39, 56, 21, 89, 91, 68, 18, 27, 31, 28, 99, 78)

The representatives of conjugacy classes of $G^{s_{12}}$ are:

(1), (1,4,23,77,81,86,52,85,38,42,10,19,72,84,32,82,98,53,50,45)(2,22,71,26,96,33,80,59,43,46,16,12,79,51,75,29,24,25,92,48)(3,95,100,47,15,20,61,41,44,5)(6,97,90,87,94,58,17,34,36,69,14,67,70,60,35,66,7,63,40,76)(8,83,55,93,57,9,30,64,37,73)(11,89,49,68,13,27,74,28,39,78,21,65,91,54,18,88,31,62,99,56),

(1,10)(2,16)(4,19)(6,14)(7,17)(11,21)(12,22)(13,18)(23,72)(24,80)(25,59)(26,51)(27,88)(28,62)(29,33)(31,74)(32,81)(34,63)(35,94)(36,40)(38,50)(39,99)(42,45)(43,92)(46,48)(49,91)(52,98)(53,85)(54,68)(56,78)(58,66)(60,87)(65,89)(67,97)(69,76)(70,90)(71,79)(75,96)(77,84)(82,86),

(1,19,23,84,81,82,52,53,38,45,10,4,72,77,32,86,98,85,50,42)(2,12,71,51,96,29,80,25,43,48,16,22,79,26,75,33,24,59,92,46)(3,95,100,47,15,20,61,41,44,5)(6,67,90,60,94,66,17,63,36,76,14,97,70,87,35,58,7,34,40,69)(8,83,55,93,57,9,30,64,37,73)(11,65,49,54,13,88,74,62,39,56,21,89,91,68,18,27,31,28,99,78),

(1,23,81,52,38,10,72,32,98,50)(2,71,96,80,43,16,79,75,24,92)(3,100,15,61,44)(4,77,86,85,42,19,84,82,53,45)(5,95,47,20,41)(6,90,94,17,36,14,70,35,7,40)(8,55,57,30,37)(9,64,73,83,93)(11,49,13,74,39,21,91,18,31,99)(12,51,29,25,48,22,26,33,59,46)(27,28,78,65,54,88,62,56,89,68)(34,69,67,60,66,63,76,97,87,58),

(1,32,38,23,98,10,81,50,72,52)(2,75,43,71,24,16,96,92,79,80)(3,15,44,100,61)(4,82,42,77,53,19,86,45,84,85)(5,47,41,95,20)(6,35,36,90,7,14,94,40,70,17)(8,57,37,55,30)(9,73,93,64,83)(11,18,39,49,31,21,13,99,91,74)(12,33,48,51,59,22,29,46,26,25)(27,56,54,28,89,88,78,68,62,65)(34,97,66,69,87,63,67,58,76,60),

(1,38,98,81,72)(2,43,24,96,79)(3,44,61,15,100)(4,42,53,86,84)(5,41,20,47,95)(6,36,7,94,70)(8,37,30,57,55)(9,93,83,73,64)(10,50,52,32,23)(11,39,31,13,91)(12,48,59,29,26)(14,40,17,35,90)(16,92,80,75,71)(18,49,21,99,74)(19,45,85,82,77)(22,46,25,33,51)(27,54,89,78,62)(28,88,68,65,56)(34,66,87,67,76)(58,60,97,69,63),
 (1,42,50,85,98,86,32,77,72,4,10,45,38,53,52,82,81,84,23,19)(2,46,92,59,24,33,75,26,79,22,16,48,43,25,80,29,96,51,71,12)(3,5,44,41,61,20,15,47,100,95)(6,69,40,34,7,58,35,87,70,97,14,76,36,63,17,66,94,60,90,67)(8,73,37,64,30,9,57,93,55,83)(11,78,99,28,31,27,18,68,91,89,21,56,39,62,74,88,13,54,49,65),
 (1,45,50,53,98,82,32,84,72,19,10,42,38,85,52,86,81,77,23,4)(2,48,92,25,24,29,75,51,79,12,16,46,43,59,80,33,96,26,71,22)(3,5,44,41,61,20,15,47,100,95)(6,76,40,63,7,66,35,60,70,67,14,69,36,34,17,58,94,87,90,97)(8,73,37,64,30,9,57,93,55,83)(11,56,99,62,31,88,18,54,91,65,21,78,39,28,74,27,13,68,49,89),
 (1,50,98,32,72,10,38,52,81,23)(2,92,24,75,79,16,43,80,96,71)(3,44,61,15,100)(4,45,53,82,84,19,42,85,86,77)(5,41,20,47,95)(6,40,7,35,70,14,36,17,94,90)(8,37,30,57,55)(9,93,83,73,64)(11,99,31,18,91,21,39,74,13,49)(12,46,59,33,26,22,48,25,29,51)(27,68,89,56,62,88,54,65,78,28)(34,58,87,97,76,63,66,60,67,69),
 (1,52,72,50,81,10,98,23,38,32)(2,80,79,92,96,16,24,71,43,75)(3,61,100,44,15)(4,85,84,45,86,19,53,77,42,82)(5,20,95,41,47)(6,17,70,40,94,14,7,90,36,35)(8,30,55,37,57)(9,83,64,93,73)(11,74,91,99,13,21,31,49,39,18)(12,25,26,46,29,22,59,51,48,33)(27,65,62,68,78,88,89,28,54,56)(34,60,76,58,67,63,87,69,66,97),
 (1,53,32,19,38,86,23,45,98,84,10,85,81,4,50,82,72,42,52,77)(2,25,75,12,43,33,71,48,24,51,16,59,96,22,92,29,79,46,80,26)(3,41,15,95,44,20,100,5,61,47)(6,63,35,67,36,58,90,76,7,60,14,34,94,97,40,66,70,69,17,87)(8,64,57,83,37,9,55,73,30,93)(11,62,18,65,39,27,49,56,31,54,21,28,13,89,99,88,91,78,74,68),
 (1,72,81,98,38)(2,79,96,24,43)(3,100,15,61,44)(4,84,86,53,42)(5,95,47,20,41)(6,70,94,7,36)(8,55,57,30,37)(9,64,73,83,93)(10,23,32,52,50)(11,91,13,31,39)(12,26,29,59,48)(14,90,35,17,40)(16,71,75,80,92)(18,74,99,21,49)(19,77,82,85,45)(22,51,33,25,46)(27,62,78,89,54)(28,56,65,68,88)(34,76,67,87,66)(58,63,69,97,60),
 (1,77,52,42,72,82,50,4,81,85,10,84,98,45,23,86,38,19,32,53)(2,26,80,46,79,29,92,22,96,59,16,51,24,48,71,33,43,12,75,25)(3,47,61,5,100,20,44,95,15,41)(6,87,17,69,70,66,40,97,94,34,14,60,7,76,90,58,36,67,35,63)(8,93,30,73,55,9,37,83,57,64)(11,68,74,78,91,88,99,89,13,28,21,54,31,56,49,27,39,65,18,62),
 (1,81,38,72,98)(2,96,43,79,24)(3,15,44,100,61)(4,86,42,84,53)(5,47,41,95,20)(6,94,36,70,7)(8,57,37,55,30)(9,73,93,64,83)(10,32,50,23,52)(11,13,39,91,31)(12,29,48,26,59)(14,35,40,90,17)(16,75,92,71,80)(18,99,49,74,21)(19,82,45,77,85)(22,33,46,51,25)(27,78,54,62,89)(28,65,88,56,68)(34,67,66,76,87)(58,69,60,63,97),
 (1,82,10,86)(2,29,16,33)(3,20)(4,98,19,52)(5,15)(6,66,14,58)(7,67,17,97)(8,9)(11,88,21,27)(12,80,22,24)(13,56,18,78)(23,53,72,85)(25,79,59,71)(26,92,51,43)(28,49,62,91)(30,83)(31,65,74,89)(32,42,81,45)(34,90,63,70)(35,69,94,76)(36,87,40,60)(37,93)(38,77,50,84)(39,68,99,54)(41,100)(44,47)(46,96,48,75)(55,64)(57,73)(61,95),
 (1,84,52,45,72,86,50,19,81,53,10,77,98,42,23,82,38,4,32,85)(2,51,80,48,79,33,92,12,96,25,16,26,24,46,71,29,43,22,75,59)(3,47,61,5,100,20,44,95,15,41)(6,60,17,76,70,58,40,67,94,63,14,87,7,69,90,66,36,97,35,34)(8,93,30,73,55,9,37,83,57,64)(11,54,74,56,91,27,99,65,13,62,21,68,31,78,49,88,39,89,18,28),
 (1,85,32,4,38,82,23,42,98,77,10,53,81,19,50,86,72,45,52,84)(2,59,75,22,43,29,71,46,24,26,16,25,96,12,92,33,79,48,80,51)(3,41,15,95,44,20,100,5,61,47)(6,34,35,97,36,66,90,69,7,87,14,63,94,67,40,58,70,76,17,60)(8,64,57,83,37,9,55,73,30,93)(11,28,18,89,39,88,49,78,31,68,21,62,13,65,99,27,91,56,74,54),
 (1,86,10,82)(2,33,16,29)(3,20)(4,52,19,98)(5,15)(6,58,14,66)(7,97,17,67)(8,9)(11,27,21,88)(12,24,22,80)(13,78,18,56)(23,85,72,53)(25,71,59,79)(26,43,51,92)(28,91,62,49)(30,83)(31,89,74,65)(32,45,81,42)(34,70,63,90)(35,76,94,69)(36,60,40,87)(37,93)(38,84,50,77)(39,54,99,68)(41,100)(44,47)(46,75,48,96)(55,64)(57,73)(61,95),
 (1,98,72,38,81)(2,24,79,43,96)(3,61,100,44,15)(4,53,84,42,86)(5,20,95,41,47)(6,7,70,36,94)(8,30,55,37,57)(9,83,64,93,73)(10,52,23,50,32)(11,31,91,39,13)(12,59,26,48,29)(14,17,90,40,35)(16,80,71,92,75)(18,21,74,49,99)(19,85,77,45,82)(22,25,51,46,33)(27,89,62,54,78)(28,68,56,88,65)(34,87,76,66,67)(58,97,63,60,69).

The character table of $G^{s_{12}}$:

	10																		20	
$\chi_{12}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
$\chi_{12}^{(2)}$	1	-1	1	-1	1	1	1	-1	1	1	-1	1	-1	1	-1	-1	-1	-1	1	
$\chi_{12}^{(3)}$	1	A	1	A	B	/A	/B	/A	/A	/B	A	B	B	/B	/A	1	/B	B	1	A
$\chi_{12}^{(4)}$	1	-A	1	-A	B	/A	/B	-/A	-/A	/B	A	-B	B	-/B	/A	-1	-/B	-B	-1	A
$\chi_{12}^{(5)}$	1	B	1	B	/A	/B	A	/B	/B	A	B	/A	/A	A	/B	1	A	/A	1	B
$\chi_{12}^{(6)}$	1	-B	1	-B	/A	/B	A	-/B	-/B	A	B	-/A	/A	-A	/B	-1	-A	-/A	-1	B
$\chi_{12}^{(7)}$	1	/B	1	/B	A	B	/A	B	B	/A	/B	A	A	/A	B	1	/A	A	1	/B
$\chi_{12}^{(8)}$	1	-/B	1	-/B	A	B	/A	-B	-B	/A	/B	-A	A	-/A	B	-1	-/A	-A	-1	/B
$\chi_{12}^{(9)}$	1	/A	1	/A	/B	A	B	A	A	B	/A	/B	/B	B	A	1	B	/B	1	/A
$\chi_{12}^{(10)}$	1	-/A	1	-/A	/B	A	B	-A	-A	B	/A	-/B	/B	-B	A	-1	-B	-/B	-1	/A
$\chi_{12}^{(11)}$	1	C	-1	-C	-1	-1	1	C	-C	-1	-1	C	1	-C	1	-C	C	-C	C	1
$\chi_{12}^{(12)}$	1	-C	-1	C	-1	-1	1	-C	C	-1	-1	-C	1	C	1	C	-C	C	-C	1
$\chi_{12}^{(13)}$	1	D	-1	-D	-B	-/A	/B	-/D	/D	-/B	-A	E	B	/E	/A	-C	-/E	-E	C	A
$\chi_{12}^{(14)}$	1	-D	-1	D	-B	-/A	/B	/D	-/D	-/B	-A	-E	B	-/E	/A	C	/E	E	-C	A
$\chi_{12}^{(15)}$	1	E	-1	-E	-/A	-/B	A	-/E	/E	-A	-B	-/D	/A	-D	/B	-C	D	/D	C	B
$\chi_{12}^{(16)}$	1	-E	-1	E	-/A	-/B	A	/E	-/E	-A	-B	/D	/A	D	/B	C	-D	-/D	-C	B
$\chi_{12}^{(17)}$	1	-/E	-1	/E	-A	-B	/A	E	-E	-/A	-/B	D	A	/D	B	-C	-/D	-D	C	/B
$\chi_{12}^{(18)}$	1	/E	-1	-/E	-A	-B	/A	-E	E	-/A	-/B	-D	A	-/D	B	C	/D	D	-C	/B
$\chi_{12}^{(19)}$	1	-/D	-1	/D	-/B	-A	B	D	-D	-B	-/A	-/E	/B	-E	A	-C	E	/E	C	/A
$\chi_{12}^{(20)}$	1	/D	-1	-/D	-/B	-A	B	-D	D	-B	-/A	/E	/B	E	A	C	-E	-/E	-C	/A

where $A = E(5)^4$; $B = E(5)^3$; $C = -E(4) = -ER(-1) = -i$; $D = -E(20)$; $E = -E(20)^{17}$.The generators of $G^{s_{13}}$ are:

(1, 4, 23, 77, 81, 86, 52, 85, 38, 42, 10, 19, 72, 84, 32, 82, 98, 53, 50, 45) (2, 22, 71, 26, 96, 33, 80, 59, 43, 46, 16, 12, 79, 51, 75, 29, 24, 25, 92, 48) (3, 95, 100, 47, 15, 20, 61, 41, 44, 5) (6, 97, 90, 87, 94, 58, 17, 34, 36, 69, 14, 67, 70, 60, 35, 66, 7, 63, 40, 76) (8, 83, 55, 93, 57, 9, 30, 64, 37, 73) (11, 89, 49, 68, 13, 27, 74, 28, 39, 78, 21, 65, 91, 54, 18, 88, 31, 62, 99, 56)

The representatives of conjugacy classes of $G^{s_{13}}$ are:

(1), (1,4,23,77,81,86,52,85,38,42,10,19,72,84,32,82,98,53,50,45)(2,22,71,26,96,33,80,59,43,46,16,12,79,51,75,29,24,25,92,48)(3,95,100,47,15,20,61,41,44,5)(6,97,90,87,94,58,17,34,36,69,14,67,70,60,35,66,7,63,40,76)(8,83,55,93,57,9,30,64,37,73)(11,89,49,68,13,27,74,28,39,78,21,65,91,54,18,88,31,62,99,56),

(1,10)(2,16)(4,19)(6,14)(7,17)(11,21)(12,22)(13,18)(23,72)(24,80)(25,59)(26,51)(27,88)(28,62)(29,33)(31,74)(32,81)(34,63)(35,94)(36,40)(38,50)(39,99)(42,45)(43,92)(46,48)(49,91)(52,98)(53,85)(54,68)(56,78)(58,66)(60,87)(65,89)(67,97)(69,76)(70,90)(71,79)(75,96)(77,84)(82,86),

(1,19,23,84,81,82,52,53,38,45,10,4,72,77,32,86,98,85,50,42)(2,12,71,51,96,29,80,25,43,48,16,22,79,26,75,33,24,59,92,46)(3,95,100,47,15,20,61,41,44,5)(6,67,90,60,94,66,17,63,36,76,14,97,70,87,35,58,7,34,40,69)(8,83,55,93,57,9,30,64,37,73)(11,65,49,54,13,88,74,62,39,56,21,89,91,68,18,27,31,28,99,78),

(1,23,81,52,38,10,72,32,98,50)(2,71,96,80,43,16,79,75,24,92)(3,100,15,61,44)(4,77,86,85,42,19,84,82,53,45)(5,95,47,20,41)(6,90,94,17,36,14,70,35,7,40)(8,55,57,30,37)(9,64,73,83,93)(11,49,13,74,39,21,91,18,31,99)(12,51,29,25,48,22,26,33,59,46)(27,28,78,65,54,88,62,56,89,68)(34,69,67,60,66,63,76,97,87,58),

(1,32,38,23,98,10,81,50,72,52)(2,75,43,71,24,16,96,92,79,80)(3,15,44,100,61)(4,82,42,77,53,19,86,45,84,85)(5,47,41,95,20)(6,35,36,90,7,14,94,40,70,17)(8,57,37,55,30)(9,73,93,64,83)(11,18,39,49,31,21,13,99,91,74)(12,33,48,51,59,22,29,46,26,25)(27,56,54,28,89,88,78,68,62,65)(34,97,66,69,87,63,67,58,76,60),

(1,38,98,81,72)(2,43,24,96,79)(3,44,61,15,100)(4,42,53,86,84)(5,41,20,47,95)(6,36,7,94,70)(8,37,30,57,55)(9,93,83,73,64)(10,50,52,32,23)(11,39,31,13,91)(12,48,59,29,26)(14,40,17,35,90)(16,92,80,75,71)(18,49,21,99,74)(19,45,85,82,77)(22,46,25,33,51)(27,54,89,78,62)(28,88,68,65,56)(34,66,87,67,76)(58,60,97,69,63),

(1,42,50,85,98,86,32,77,72,4,10,45,38,53,52,82,81,84,23,19)(2,46,92,59,24,33,75, 26,79,22,16,48,43,25,80,29,96,
 51,71,12)(3,5,44,41,61,20,15,47,100,95)(6,69,40, 34,7,58,35,87,70,97,14,76,36,63,17,66,94,60,90,67)(8,73,37,64,30,
 9,57,93,55, 83)(11,78,99,28,31,27,18,68,91,89,21,56,39,62,74,88,13,54,49,65),
 (1,45,50,53,98,82,32,84,72,19,10,42,38,85,52,86,81,77,23,4)(2,48,92,25,24,29,75, 51,79,12,16,46,43,59,80,33,96,
 26,71,22)(3,5,44,41,61,20,15,47,100,95)(6,76,40, 63,7,66,35,60,70,67,14,69,36,34,17,58,94,87,90,97)(8,73,37,64,30,
 9,57,93,55, 83)(11,56,99,62,31,88,18,54,91,65,21,78,39,28,74,27,13,68,49,89),
 (1,50,98,32,72,10,38,52,81,23)(2,92,24,75,79,16,43,80,96,71)(3,44,61,15,100)(4,45, 53,82,84,19,42,85,86,77)(5,
 41,20,47,95)(6,40,7,35,70,14,36,17,94,90)(8,37,30,57, 55)(9,93,83,73,64)(11,99,31,18,91,21,39,74,13,49)(12,46,59,
 33,26,22,48,25,29, 51)(27,68,89,56,62,88,54,65,78,28)(34,58,87,97,76,63,66,60,67,69),
 (1,52,72,50,81,10,98,23,38,32)(2,80,79,92,96,16,24,71,43,75)(3,61,100,44,15)(4,85, 84,45,86,19,53,77,42,82)(5,
 20,95,41,47)(6,17,70,40,94,14,7,90,36,35)(8,30,55,37, 57)(9,83,64,93,73)(11,74,91,99,13,21,31,49,39,18)(12,25,26,
 46,29,22,59,51,48, 33)(27,65,62,68,78,88,89,28,54,56)(34,60,76,58,67,63,87,69,66,97),
 (1,53,32,19,38,86,23,45,98,84,10,85,81,4,50,82,72,42,52,77)(2,25,75,12,43,33,71, 48,24,51,16,59,96,22,92,29,79,
 46,80,26)(3,41,15,95,44,20,100,5,61,47)(6,63,35, 67,36,58,90,76,7,60,14,34,94,97,40,66,70,69,17,87)(8,64,57,83,37,
 9,55,73,30, 93)(11,62,18,65,39,27,49,56,31,54,21,28,13,89,99,88,91,78,74,68),
 (1,72,81,98,38)(2,79,96,24,43)(3,100,15,61,44)(4,84,86,53,42)(5,95,47,20,41)(6,70, 94,7,36)(8,55,57,30,37)(9,
 64,73,83,93)(10,23,32,52,50)(11,91,13,31,39)(12,26,29, 59,48)(14,90,35,17,40)(16,71,75,80,92)(18,74,99,21,49)(19,
 77,82,85,45)(22,51,33, 25,46)(27,62,78,89,54)(28,56,65,68,88)(34,76,67,87,66)(58,63,69,97,60),
 (1,77,52,42,72,82,50,4,81,85,10,84,98,45,23,86,38,19,32,53)(2,26,80,46,79,29,92, 22,96,59,16,51,24,48,71,33,43,
 12,75,25)(3,47,61,5,100,20,44,95,15,41)(6,87,17, 69,70,66,40,97,94,34,14,60,7,76,90,58,36,67,35,63)(8,93,30,73,55,
 9,37,83,57, 64)(11,68,74,78,91,88,99,89,13,28,21,54,31,56,49,27,39,65,18,62),
 (1,81,38,72,98)(2,96,43,79,24)(3,15,44,100,61)(4,86,42,84,53)(5,47,41,95,20)(6,94, 36,70,7)(8,57,37,55,30)(9,73,
 93,64,83)(10,32,50,23,52)(11,13,39,91,31)(12,29,48, 26,59)(14,35,40,90,17)(16,75,92,71,80)(18,99,49,74,21)(19,82,
 45,77,85)(22,33,46, 51,25)(27,78,54,62,89)(28,65,88,56,68)(34,67,66,76,87)(58,69,60,63,97),
 (1,82,10,86)(2,29,16,33)(3,20)(4,98,19,52)(5,15)(6,66,14,58)(7,67,17,97)(8,9)(11, 88,21,27)(12,80,22,24)(13,56,
 18,78)(23,53,72,85)(25,79,59,71)(26,92,51,43)(28, 49,62,91)(30,83)(31,65,74,89)(32,42,81,45)(34,90,63,70)(35,69,
 94,76)(36,87,40, 60)(37,93)(38,77,50,84)(39,68,99,54)(41,100)(44,47)(46,96,48,75)(55,64)(57, 73)(61,95),
 (1,84,52,45,72,86,50,19,81,53,10,77,98,42,23,82,38,4,32,85)(2,51, 80,48,79,33,92,12,96,25,16,26,24,46,71,29,43,
 22,75,59)(3,47,61,5,100,20,44,95, 15,41)(6,60,17,76,70,58,40,67,94,63,14,87,7,69,90,66,36,97,35,34)(8,93,30,73,55,
 9,37,83,57,64)(11,54,74,56,91,27,99,65,13,62,21,68,31,78,49,88,39,89,18,28),
 (1,85,32,4,38,82,23,42,98,77,10,53,81,19,50,86,72,45,52,84)(2,59,75,22,43,29,71, 46,24,26,16,25,96,12,92,33,79,
 48,80,51)(3,41,15,95,44,20,100,5,61,47)(6,34,35, 97,36,66,90,69,7,87,14,63,94,67,40,58,70,76,17,60)(8,64,57,83,37,
 9,55,73,30, 93)(11,28,18,89,39,88,49,78,31,68,21,62,13,65,99,27,91,56,74,54),
 (1,86,10,82)(2,33,16,29)(3,20)(4,52,19,98)(5,15)(6,58,14,66)(7,97,17,67)(8,9)(11, 27,21,88)(12,24,22,80)(13,78,
 18,56)(23,85,72,53)(25,71,59,79)(26,43,51,92)(28, 91,62,49)(30,83)(31,89,74,65)(32,45,81,42)(34,70,63,90)(35,76,
 94,69)(36,60,40, 87)(37,93)(38,84,50,77)(39,54,99,68)(41,100)(44,47)(46,75,48,96)(55,64)(57, 73)(61,95),
 (1,98,72,38,81)(2,24,79,43,96)(3,61,100,44,15)(4,53,84,42,86)(5, 20,95,41,47)(6,7,70,36,94)(8,30,55,37,57)(9,83,
 64,93,73)(10,52,23,50,32)(11,31, 91,39,13)(12,59,26,48,29)(14,17,90,40,35)(16,80,71,92,75)(18,21,74,49,99)(19,85,
 77,45,82)(22,25,51,46,33)(27,89,62,54,78)(28,68,56,88,65)(34,87,76,66,67)(58,97, 63,60,69).

The character table of $G^{s_{13}}$:

	10																		20	
$\chi_{13}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
$\chi_{13}^{(2)}$	1	-1	1	-1	1	1	1	-1	-1	1	1	-1	1	-1	1	-1	-1	-1	1	
$\chi_{13}^{(3)}$	1	A	1	A	B	/A	/B	/A	/A	/B	A	B	B	/B	/A	1	/B	B	1	A
$\chi_{13}^{(4)}$	1	-A	1	-A	B	/A	/B	-/A	-/A	/B	A	-B	B	-/B	/A	-1	-/B	-B	-1	A
$\chi_{13}^{(5)}$	1	B	1	B	/A	/B	A	/B	/B	A	B	/A	/A	A	/B	1	A	/A	1	B
$\chi_{13}^{(6)}$	1	-B	1	-B	/A	/B	A	-/B	-/B	A	B	-/A	/A	-A	/B	-1	-A	-/A	-1	B
$\chi_{13}^{(7)}$	1	/B	1	/B	A	B	/A	B	B	/A	/B	A	A	/A	B	1	/A	A	1	/B
$\chi_{13}^{(8)}$	1	-/B	1	-/B	A	B	/A	-B	-B	/A	/B	-A	A	-/A	B	-1	-/A	-A	-1	/B
$\chi_{13}^{(9)}$	1	/A	1	/A	/B	A	B	A	A	B	/A	/B	/B	B	A	1	B	/B	1	/A
$\chi_{13}^{(10)}$	1	-/A	1	-/A	/B	A	B	-A	-A	B	/A	-/B	/B	-B	A	-1	-B	-/B	-1	/A
$\chi_{13}^{(11)}$	1	C	-1	-C	-1	-1	1	C	-C	-1	-1	C	1	-C	1	-C	C	-C	C	1
$\chi_{13}^{(12)}$	1	-C	-1	C	-1	-1	1	-C	C	-1	-1	-C	1	C	1	C	-C	C	-C	1
$\chi_{13}^{(13)}$	1	D	-1	-D	-B	-/A	/B	-/D	/D	-/B	-A	E	B	/E	/A	-C	-/E	-E	C	A
$\chi_{13}^{(14)}$	1	-D	-1	D	-B	-/A	/B	/D	-/D	-/B	-A	-E	B	-/E	/A	C	/E	E	-C	A
$\chi_{13}^{(15)}$	1	E	-1	-E	-/A	-/B	A	-/E	/E	-A	-B	-/D	/A	-D	/B	-C	D	/D	C	B
$\chi_{13}^{(16)}$	1	-E	-1	E	-/A	-/B	A	/E	-/E	-A	-B	/D	/A	D	/B	C	-D	-/D	-C	B
$\chi_{13}^{(17)}$	1	-/E	-1	/E	-A	-B	/A	E	-E	-/A	-/B	D	A	/D	B	-C	-/D	-D	C	/B
$\chi_{13}^{(18)}$	1	/E	-1	-/E	-A	-B	/A	-E	E	-/A	-/B	-D	A	-/D	B	C	/D	D	-C	/B
$\chi_{13}^{(19)}$	1	-/D	-1	/D	-/B	-A	B	D	-D	-B	-/A	-/E	/B	-E	A	-C	E	/E	C	/A
$\chi_{13}^{(20)}$	1	/D	-1	-/D	-/B	-A	B	-D	D	-B	-/A	/E	/B	E	A	C	-E	-/E	-C	/A

where $A = E(5)^4$; $B = E(5)^3$; $C = E(4) = ER(-1) = i$; $D = E(20)$; $E = E(20)^{17}$.The generators of $G^{s_{14}}$ are:

(1, 23, 81, 52, 38, 10, 72, 32, 98, 50)(2, 71, 96, 80, 43, 16, 79, 75, 24, 92) (3,100, 15, 61, 44)(4, 77, 86, 85, 42, 19, 84, 82, 53, 45)(5, 95, 47, 20, 41)(6, 90, 94, 17, 36, 14, 70, 35, 7, 40)(8, 55, 57, 30, 37) (9, 64, 73, 83, 93)(11, 49, 13, 74, 39, 21, 91, 18, 31, 99)(12, 51, 29, 25, 48, 22, 26, 33, 59, 46)(27, 28, 78, 65, 54, 88, 62, 56, 89, 68) (34, 69, 67, 60, 66, 63, 76, 97, 87, 58), (1, 4, 23, 77, 81, 86, 52, 85, 38, 42, 10, 19, 72, 84, 32, 82, 98, 53, 50, 45) (2, 22, 71, 26, 96, 33, 80, 59, 43, 46, 16, 12, 79, 51, 75, 29, 24, 25, 92, 48) (3, 95,100, 47, 15, 20, 61, 41, 44, 5)(6, 97, 90, 87, 94, 58, 17, 34, 36, 69, 14, 67, 70, 60, 35, 66, 7, 63, 40, 76)(8, 83, 55, 93, 57, 9, 30, 64, 37, 73)(11, 89, 49, 68, 13, 27, 74, 28, 39, 78, 21, 65, 91, 54, 18, 88, 31, 62, 99, 56).

The representatives of conjugacy classes of $G^{s_{14}}$ are:

(1), (1,4,23,77,81,86,52,85,38,42,10,19,72,84,32,82,98,53,50,45)(2,22,71,26,96, 33,80,59,43,46,16,12,79,51,75,29,24,25, 92,48)(3,95,100,47,15,20,61,41,44,5)(6, 97,90,87,94,58,17,34,36,69,14,67,70,60,35,66,7,63,40,76)(8,83,55,93,57,9,30, 64, 37,73)(11,89,49,68,13,27,74,28,39,78,21,65,91,54,18,88,31,62,99,56),

(1,10)(2,16)(4,19)(6,14)(7,17)(11,21)(12,22)(13,18)(23,72)(24,80)(25,59)(26, 51)(27,88)(28,62)(29,33)(31,74)(32, 81)(34,63)(35,94)(36,40)(38,50)(39,99)(42, 45)(43,92)(46,48)(49,91)(52,98)(53,85)(54,68)(56,78)(58,66)(60,87)(65, 89)(67, 97)(69,76)(70,90)(71,79)(75,96)(77,84)(82,86),

(1,19,23,84,81,82,52,53,38,45,10,4,72,77,32,86,98,85,50,42)(2,12,71,51,96,29,80, 25,43,48,16,22,79,26,75,33,24,59, 92,46)(3,95,100,47,15,20,61,41,44,5)(6,67,90, 60,94,66,17,63,36,76,14,97,70,87,35,58,7,34,40,69)(8,83,55,93,57,9,30, 64,37, 73)(11,65,49,54,13,88,74,62,39,56,21,89,91,68,18,27,31,28,99,78),

(1,23,81,52,38,10,72,32,98,50)(2,71,96,80,43,16,79,75,24,92)(3,100,15,61,44)(4,77, 86,85,42,19,84,82,53,45)(5,95, 47,20,41)(6,90,94,17,36,14,70,35,7,40)(8,55,57,30, 37)(9,64,73,83,93)(11,49,13,74,39,21,91,18,31,99)(12,51,29,25,48, 22,26,33,59, 46)(27,28,78,65,54,88,62,56,89,68)(34,69,67,60,66,63,76,97,87,58),

(1,32,38,23,98,10,81,50,72,52)(2,75,43,71,24,16,96,92,79,80)(3,15,44,100,61)(4,82, 42,77,53,19,86,45,84,85)(5,47, 41,95,20)(6,35,36,90,7,14,94,40,70,17)(8,57,37,55, 30)(9,73,93,64,83)(11,18,39,49,31,21,13,99,91,74)(12,33,48,51,59, 22,29,46,26, 25)(27,56,54,28,89,88,78,68,62,65)(34,97,66,69,87,63,67,58,76,60),

$(1,38,98,81,72)(2,43,24,96,79)(3,44,61,15,100)(4,42,53,86,84)(5,41,20,47,95)(6,36,7,94,70)(8,37,30,57,55)(9,93,83,73,64)(10,50,52,32,23)(11,39,31,13,91)(12,48,59,29,26)(14,40,17,35,90)(16,92,80,75,71)(18,49,21,99,74)(19,45,85,82,77)(22,46,25,33,51)(27,54,89,78,62)(28,88,68,65,56)(34,66,87,67,76)(58,60,97,69,63),$
 $(1,42,50,85,98,86,32,77,72,4,10,45,38,53,52,82,81,84,23,19)(2,46,92,59,24,33,75,26,79,22,16,48,43,25,80,29,96,51,71,12)(3,5,44,41,61,20,15,47,100,95)(6,69,40,34,7,58,35,87,70,97,14,76,36,63,17,66,94,60,90,67)(8,73,37,64,30,9,57,93,55,83)(11,78,99,28,31,27,18,68,91,89,21,56,39,62,74,88,13,54,49,65),$
 $(1,45,50,53,98,82,32,84,72,19,10,42,38,85,52,86,81,77,23,4)(2,48,92,25,24,29,75,51,79,12,16,46,43,59,80,33,96,26,71,22)(3,5,44,41,61,20,15,47,100,95)(6,76,40,63,7,66,35,60,70,67,14,69,36,34,17,58,94,87,90,97)(8,73,37,64,30,9,57,93,55,83)(11,56,99,62,31,88,18,54,91,65,21,78,39,28,74,27,13,68,49,89),$
 $(1,50,98,32,72,10,38,52,81,23)(2,92,24,75,79,16,43,80,96,71)(3,44,61,15,100)(4,45,53,82,84,19,42,85,86,77)(5,41,20,47,95)(6,40,7,35,70,14,36,17,94,90)(8,37,30,57,55)(9,93,83,73,64)(11,99,31,18,91,21,39,74,13,49)(12,46,59,33,26,22,48,25,29,51)(27,68,89,56,62,88,54,65,78,28)(34,58,87,97,76,63,66,60,67,69),$
 $(1,52,72,50,81,10,98,23,38,32)(2,80,79,92,96,16,24,71,43,75)(3,61,100,44,15)(4,85,84,45,86,19,53,77,42,82)(5,20,95,41,47)(6,17,70,40,94,14,7,90,36,35)(8,30,55,37,57)(9,83,64,93,73)(11,74,91,99,13,21,31,49,39,18)(12,25,26,46,29,22,59,51,48,33)(27,65,62,68,78,88,89,28,54,56)(34,60,76,58,67,63,87,69,66,97),$
 $(1,53,32,19,38,86,23,45,98,84,10,85,81,4,50,82,72,42,52,77)(2,25,75,12,43,33,71,48,24,51,16,59,96,22,92,29,79,46,80,26)(3,41,15,95,44,20,100,5,61,47)(6,63,35,67,36,58,90,76,7,60,14,34,94,97,40,66,70,69,17,87)(8,64,57,83,37,9,55,73,30,93)(11,62,18,65,39,27,49,56,31,54,21,28,13,89,99,88,91,78,74,68),$
 $(1,72,81,98,38)(2,79,96,24,43)(3,100,15,61,44)(4,84,86,53,42)(5,95,47,20,41)(6,70,94,7,36)(8,55,57,30,37)(9,64,73,83,93)(10,23,32,52,50)(11,91,13,31,39)(12,26,29,59,48)(14,90,35,17,40)(16,71,75,80,92)(18,74,99,21,49)(19,77,82,85,45)(22,51,33,25,46)(27,62,78,89,54)(28,56,65,68,88)(34,76,67,87,66)(58,63,69,97,60),$
 $(1,77,52,42,72,82,50,4,81,85,10,84,98,45,23,86,38,19,32,53)(2,26,80,46,79,29,92,22,96,59,16,51,24,48,71,33,43,12,75,25)(3,47,61,5,100,20,44,95,15,41)(6,87,17,69,70,66,40,97,94,34,14,60,7,76,90,58,36,67,35,63)(8,93,30,73,55,9,37,83,57,64)(11,68,74,78,91,88,99,89,13,28,21,54,31,56,49,27,39,65,18,62),$
 $(1,81,38,72,98)(2,96,43,79,24)(3,15,44,100,61)(4,86,42,84,53)(5,47,41,95,20)(6,94,36,70,7)(8,57,37,55,30)(9,73,93,64,83)(10,32,50,23,52)(11,13,39,91,31)(12,29,48,26,59)(14,35,40,90,17)(16,75,92,71,80)(18,99,49,74,21)(19,82,45,77,85)(22,33,46,51,25)(27,78,54,62,89)(28,65,88,56,68)(34,67,66,76,87)(58,69,60,63,97),$
 $(1,82,10,86)(2,29,16,33)(3,20)(4,98,19,52)(5,15)(6,66,14,58)(7,67,17,97)(8,9)(11,88,21,27)(12,80,22,24)(13,56,18,78)(23,53,72,85)(25,79,59,71)(26,92,51,43)(28,49,62,91)(30,83)(31,65,74,89)(32,42,81,45)(34,90,63,70)(35,69,94,76)(36,87,40,60)(37,93)(38,77,50,84)(39,68,99,54)(41,100)(44,47)(46,96,48,75)(55,64)(57,73)(61,95),$
 $(1,84,52,45,72,86,50,19,81,53,10,77,98,42,23,82,38,4,32,85)(2,51,80,48,79,33,92,12,96,25,16,26,24,46,71,29,43,22,75,59)(3,47,61,5,100,20,44,95,15,41)(6,60,17,76,70,58,40,67,94,63,14,87,7,69,90,66,36,97,35,34)(8,93,30,73,55,9,37,83,57,64)(11,54,74,56,91,27,99,65,13,62,21,68,31,78,49,88,39,89,18,28),$
 $(1,85,32,4,38,82,23,42,98,77,10,53,81,19,50,86,72,45,52,84)(2,59,75,22,43,29,71,46,24,26,16,25,96,12,92,33,79,48,80,51)(3,41,15,95,44,20,100,5,61,47)(6,34,35,97,36,66,90,69,7,87,14,63,94,67,40,58,70,76,17,60)(8,64,57,83,37,9,55,73,30,93)(11,28,18,89,39,88,49,78,31,68,21,62,13,65,99,27,91,56,74,54),$
 $(1,86,10,82)(2,33,16,29)(3,20)(4,52,19,98)(5,15)(6,58,14,66)(7,97,17,67)(8,9)(11,27,21,88)(12,24,22,80)(13,78,18,56)(23,85,72,53)(25,71,59,79)(26,43,51,92)(28,91,62,49)(30,83)(31,89,74,65)(32,45,81,42)(34,70,63,90)(35,76,94,69)(36,60,40,87)(37,93)(38,84,50,77)(39,54,99,68)(41,100)(44,47)(46,75,48,96)(55,64)(57,73)(61,95),$
 $(1,98,72,38,81)(2,24,79,43,96)(3,61,100,44,15)(4,53,84,42,86)(5,20,95,41,47)(6,7,70,36,94)(8,30,55,37,57)(9,83,64,93,73)(10,52,23,50,32)(11,31,91,39,13)(12,59,26,48,29)(14,17,90,40,35)(16,80,71,92,75)(18,21,74,49,99)(19,85,77,45,82)(22,25,51,46,33)(27,89,62,54,78)(28,68,56,88,65)(34,87,76,66,67)(58,97,63,60,69).$

The character table of $G^{s_{14}}$:

	10										20									
$\chi_{14}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{14}^{(2)}$	1	-1	1	-1	1	1	1	-1	-1	1	1	-1	1	-1	1	-1	-1	-1	-1	1
$\chi_{14}^{(3)}$	1	A	-1	-A	-1	-1	1	A	-A	-1	-1	A	1	-A	1	-A	A	-A	A	1
$\chi_{14}^{(4)}$	1	-A	-1	A	-1	-1	1	-A	A	-1	-1	-A	1	A	1	A	-A	A	-A	1
$\chi_{14}^{(5)}$	1	B	1	B	-C	-B	-C	/B	/B	-C	-B	C	-C	/C	-B	-1	/C	C	-1	-B
$\chi_{14}^{(6)}$	1	C	1	C	-B	-C	-B	/C	/C	-B	-C	/B	-B	B	-C	-1	B	/B	-1	-C
$\chi_{14}^{(7)}$	1	/C	1	/C	-B	-C	-B	C	C	-B	-C	B	-B	/B	-C	-1	/B	B	-1	-C
$\chi_{14}^{(8)}$	1	/B	1	/B	-C	-B	-C	B	B	-C	-B	/C	-C	C	-B	-1	C	/C	-1	-B
$\chi_{14}^{(9)}$	1	-B	1	-B	-C	-B	-C	-B	-B	-C	-B	-C	-C	-C	-B	1	-C	-C	1	-B
$\chi_{14}^{(10)}$	1	-C	1	-C	-B	-C	-B	-C	-C	-B	-C	-B	-B	-B	-C	1	-B	-B	1	-C
$\chi_{14}^{(11)}$	1	-C	1	-C	-B	-C	-B	-C	-C	-B	-C	-B	-B	-B	-C	1	-B	-B	1	-C
$\chi_{14}^{(12)}$	1	-B	1	-B	-C	-B	-C	-B	-B	-C	-B	-C	-C	-C	-B	1	-C	-C	1	-B
$\chi_{14}^{(13)}$	1	D	-1	-D	/C	B	-C	-D	/D	C	/B	-E	-C	-E	-B	-A	E	/E	A	-B
$\chi_{14}^{(14)}$	1	-D	-1	/D	C	/B	-C	D	-D	/C	B	E	-C	/E	-B	-A	-E	-E	A	-B
$\chi_{14}^{(15)}$	1	E	-1	-E	/B	/C	-B	-E	/E	B	C	D	-B	/D	-C	-A	-D	-D	A	-C
$\chi_{14}^{(16)}$	1	-E	-1	/E	B	C	-B	E	-E	/B	/C	-D	-B	-D	-C	-A	D	/D	A	-C
$\chi_{14}^{(17)}$	1	/E	-1	-E	B	C	-B	-E	E	/B	/C	/D	-B	D	-C	A	-D	-D	-A	-C
$\chi_{14}^{(18)}$	1	-E	-1	E	/B	/C	-B	/E	-E	B	C	-D	-B	-D	-C	A	/D	D	-A	-C
$\chi_{14}^{(19)}$	1	/D	-1	-D	C	/B	-C	-D	D	/C	B	-E	-C	-E	-B	A	/E	E	-A	-B
$\chi_{14}^{(20)}$	1	-D	-1	D	/C	B	-C	/D	-D	C	/B	/E	-C	E	-B	A	-E	-E	-A	-B

where $A = -E(4) = -ER(-1) = -i$; $B = -E(5)$; $C = -E(5)^2$; $D = -E(20)$; $E = -E(20)^{13}$.The generators of $G^{s_{15}}$ are:

(1, 81, 38, 72, 98)(2, 96, 43, 79, 24)(3, 15, 44, 100, 61) (4, 86, 42, 84, 53)(5, 47, 41, 95, 20)(6, 94, 36, 70, 7)(8, 57, 37, 55, 30)(9, 73, 93, 64, 83)(10, 32, 50, 23, 52)(11, 13, 39, 91, 31) (12, 29, 48, 26, 59)(14, 35, 40, 90, 17)(16, 75, 92, 71, 80)(18, 99, 49, 74, 21)(19, 82, 45, 77, 85)(22, 33, 46, 51, 25)(27, 78, 54, 62, 89) (28, 65, 88, 56, 68)(34, 67, 66, 76, 87)(58, 69, 60, 63, 97), (3, 69)(4, 75)(5, 74)(6, 39)(7, 13)(8, 59)(9, 45)(10, 51)(11, 70) (12, 57)(15, 60)(16, 53)(18, 41)(19, 64)(20, 49)(21, 47)(22, 50) (23, 33)(25, 32)(26, 30)(27, 34)(29, 37)(31, 36)(42, 71)(44, 63) (46, 52)(48, 55)(54, 66)(58, 61)(62, 76)(67, 78)(73, 77)(80, 84) (82, 83)(85, 93)(86, 92)(87, 89)(91, 94)(95, 99)(97, 100), (2, 4)(5, 14)(6, 18)(7, 21)(8, 12)(9, 16)(10, 22)(17, 20)(23, 51) (24, 53)(25, 52)(26, 55)(27, 56)(28, 54)(29, 57)(30, 59)(32, 33) (34, 58)(35, 47)(36, 49)(37, 48)(40, 41)(42, 43)(46, 50)(60, 66) (62, 65)(63, 76)(64, 71)(67, 69)(68, 78)(70, 74)(73, 75)(79, 84) (80, 83)(86, 96)(87, 97)(88, 89)(90, 95)(92, 93)(94, 99), (1, 2, 10, 73, 81, 96, 32, 93, 38, 43, 50, 64, 72, 79, 23, 83, 98, 24, 52, 9) (3, 5, 54, 21, 15, 47, 62, 18, 44, 41, 89, 99, 100, 95, 27, 49, 61, 20, 78, 74) (4, 57, 84, 30, 86, 37, 53, 8, 42, 55)(6, 68, 13, 76, 94, 28, 39, 87, 36, 65, 91, 34, 70, 88, 31, 67, 7, 56, 11, 66)(12, 16, 46, 85, 29, 75, 51, 19, 48, 92, 25, 82, 26, 71, 22, 45, 59, 80, 33, 77)(14, 69, 90, 97, 35, 60, 17, 58, 40, 63).

The representatives of conjugacy classes of $G^{s_{15}}$ are:

(1), (3,69)(4,75)(5,74)(6,39)(7,13)(8,59)(9,45)(10,51)(11,70)(12,57)(15,60)(16,53)(18,41)(19,64)(20,49)(21,47)(22,50)(23,33)(25,32)(26,30)(27,34)(29,37)(31,36)(42,71)(44,63)(46,52)(48,55)(54,66)(58,61)(62,76)(67,78)(73,77)(80,84)(82,83)(85,93)(86,92)(87,89)(91,94)(95,99)(97,100),

(2,4,73,77,75)(3,67,68,78,69)(5,70,11,74,14)(6,39,18,40,41)(7,13,21,35,47)(8,30,55,37,57)(9,45,16,24,53)(10,23,32,52,50)(12,29,48,26,59)(15,66,28,54,60)(17,20,36,31,49)(19,71,43,42,64)(22,46,25,33,51)(27,58,61,34,56)(44,76,65,62,63)(79,84,83,82,80)(85,92,96,86,93)(87,88,89,97,100)(90,95,94,91,99),

(2,73,75,4,77)(3,68,69,67,78)(5,11,14,70,74)(6,18,41,39,40)(7,21,47,13,35)(8,55,57,30,37)(9,16,53,45,24)(10,32,50,23,52)(12,48,59,29,26)(15,28,60,66,54)(17,36,49,20,31)(19,43,64,71,42)(22,25,51,46,33)(27,61,56,58,34)(44,65,63,76,62)(79,83,80,84,82)(85,96,93,92,86)(87,89,100,88,97)(90,94,99,95,91),
 (1,2,10,73,81,96,32,93,38,43,50,64,72,79,23,83,98,24,52,9)(3,5,54,21,15,47,62,18,44,41,89,99,100,95,27,49,61,20,78,74)(4,57,84,30,86,37,53,8,42,55)(6,68,13,76,94,28,39,87,36,65,91,34,70,88,31,67,7,56,11,66)(12,16,46,85,29,75,51,19,48,92,25,82,26,71,22,45,59,80,33,77)(14,69,90,97,35,60,17,58,40,63),
 (1,2,10,19,72,79,23,77,81,96,32,82,98,24,52,85,38,43,50,45)(3,90,97,95,100,35,60,47,15,17,58,20,61,40,63,41,44,14,69,5)(4,51,73,12,84,33,83,26,86,25,93,29,53,46,9,59,42,22,64,48)(6,87,99,27,70,66,21,62,94,34,49,78,7,76,18,89,36,67,74,54)(8,80,30,71,55,92,37,75,57,16)(11,88,31,65,91,28,39,68,13,56),
 (1,2,12,4,81,96,29,86,38,43,48,42,72,79,26,84,98,24,59,53)(3,13,60,21,15,39,63,18,44,91,97,99,100,31,58,49,61,11,69,74)(5,88,95,28,47,56,20,65,41,68)(6,89,35,76,94,27,40,87,36,78,90,34,70,54,17,67,7,62,14,66)(8,92,25,73,57,71,22,93,37,80,33,64,55,16,46,83,30,75,51,9)(10,82,23,85,32,45,52,19,50,77),
 (1,2,12,71,72,79,26,75,81,96,29,80,98,24,59,92,38,43,48,16)(3,74,88,95,100,99,28,47,15,21,56,20,61,49,65,41,44,18,68,5)(4,51,82,30,84,33,85,37,86,25,45,8,53,46,19,55,42,22,77,57)(6,63,91,27,70,69,13,62,94,97,31,78,7,60,39,89,36,58,11,54)(9,52,83,23,64,50,93,32,73,10)(14,66,17,67,90,34,40,87,35,76),
 (1,2,81,96,38,43,72,79,98,24)(3,7,60,39,44,94,97,31,61,70,69,13,15,6,63,91,100,36,58,11)(4,57,92,29,42,55,80,26,53,8,75,12,86,37,71,48,84,30,16,59)(5,54,21,76,41,89,99,34,20,78,74,66,47,62,18,87,95,27,49,67)(9,52,77,51,93,32,19,22,83,23,45,46,73,10,85,25,64,50,82,33)(14,88,35,56,40,68,90,28,17,65),
 (1,2,81,96,38,43,72,79,98,24)(3,13,60,6,44,91,97,36,61,11,69,7,15,39,63,94,100,31,58,70)(4,12,92,37,42,48,80,30,53,59,75,57,86,29,71,55,84,26,16,8)(5,66,21,62,41,87,99,27,20,67,74,54,47,76,18,89,95,34,49,78)(9,46,77,10,93,25,19,50,83,33,45,52,73,51,85,32,64,22,82,23)(14,88,35,56,40,68,90,28,17,65),
 (1,8,10,22,12)(2,16,19,9,4)(5,18,6,14,13)(7,17,11,20,21)(23,51,26,72,55)(24,80,85,83,53)(25,59,98,30,52)(27,62,78,89,54)(28,88,68,65,56)(29,81,57,32,33)(31,95,74,70,90)(34,67,66,76,87)(35,39,47,99,94)(36,40,91,41,49)(37,50,46,48,38)(42,43,92,45,93)(58,97,63,60,69)(64,84,79,71,77)(73,86,96,75,82),
 (1,8,98,30,72,55,38,37,81,57)(2,16,24,80,79,71,43,92,96,75)(3,58,61,97,100,63,44,60,15,69)(4,82,53,19,84,85,42,77,86,45)(5,70,20,36,95,94,41,6,47,7)(9,93,83,73,64)(10,26,52,48,23,29,50,12,32,59)(11,90,31,40,91,35,39,14,13,17)(18,49,21,99,74)(22,46,25,33,51)(27,67,89,34,62,87,54,76,78,66)(28,88,68,65,56),
 (1,8,38,37,98,30,81,57,72,55)(2,64,43,9,24,93,96,83,79,73)(3,65,44,56,61,28,15,88,100,68)(4,86,42,84,53)(5,90,41,14,20,40,47,17,95,35)(6,49,36,21,7,99,94,74,70,18)(10,59,50,29,52,26,32,12,23,48)(11,13,39,91,31)(16,19,92,45,80,85,75,82,71,77)(22,33,46,51,25)(27,97,54,69,89,63,78,58,62,60)(34,67,66,76,87),
 (1,8,50,33,48)(2,64,92,42,77)(3,89,34,97,68)(4,82,79,73,16)(5,70,13,99,35)(6,91,74,90,41)(7,39,49,40,47)(9,80,53,19,43)(10,25,12,72,55)(11,18,14,20,36)(15,27,67,58,28)(17,95,94,31,21)(22,29,98,30,32)(23,46,26,81,57)(24,93,75,86,45)(37,52,51,59,38)(44,78,66,69,65)(54,76,60,88,100)(56,61,62,87,63)(71,84,85,96,83),
 (1,8,32,51,29)(2,82,53,80,73)(3,58,62,56,67)(4,16,93,96,45)(5,13,17,36,21)(6,49,95,31,40)(7,99,41,91,35)(9,24,19,84,71)(10,46,12,98,30)(11,90,94,74,20)(14,70,18,47,39)(15,69,89,68,66)(22,26,38,37,23)(25,48,81,57,50)(27,28,76,44,60)(33,59,72,55,52)(34,61,97,54,88)(42,92,83,79,85)(43,77,86,75,64)(63,78,65,87,100),
 (1,8,72,55,81,57,98,30,38,37)(2,82,79,85,96,45,24,19,43,77)(3,89,100,54,15,27,61,62,44,78)(4,64,84,73,86,83,53,93,42,9)(5,20,95,41,47)(6,14,70,90,94,35,7,17,36,40)(10,29,23,59,32,48,52,12,50,26)(11,18,91,74,13,99,31,21,39,49)(16,80,71,92,75)(22,25,51,46,33)(28,76,56,67,65,87,68,66,88,34)(58,97,63,60,69),
 (1,8,81,57,38,37,72,55,98,30)(2,86,96,42,43,84,79,53,24,4)(3,66,15,76,44,87,100,34,61,67)(5,18,47,99,41,49,95,74,20,21)(6,91,94,31,36,11,70,13,7,39)(9,80,73,16,93,75,64,92,83,71)(10,48,32,26,50,59,23,12,52,29)(14,90,35,17,40)(19,77,82,85,45)(22,51,33,25,46)(27,62,78,89,54)(28,69,65,60,88,63,56,97,68,58),
 (1,9,52,24,98,83,23,79,72,64,50,43,38,93,32,96,81,73,10,2)(3,74,78,20,61,49,27,95,100,99,89,41,44,18,62,47,15,21,54,5)(4,55,42,8,53,37,86,30,84,57)(6,66,11,56,7,67,31,88,70,34,91,65,36,87,39,28,94,76,13,68)(12,77,33,80,59,45,22,71,26,82,25,92,48,19,51,75,29,85,46,16)(14,63,40,58,17,60,35,97,90,69),

(1,9,37,45,98,83,57,82,72,64,8,19,38,93,30,85,81,73,55,77)(2,33,43,51,24,22,96,46, 79,25)(3,6,44,36,61,7,15,
 94,100,70)(4,10,92,48,53,52,75,29,84,23,16,12,42,50,80, 59,86,32,71,26)(5,34,91,69,20,87,39,58,95,76,13,97,41,66,
 11,63,47,67,31,60)(14, 56,49,27,17,88,99,89,90,65,18,62,40,28,21,54,35,68,74,78),
 (1,10,12,8,22)(2,19,4,16,9)(5,6,13,18,14)(7,11,21,17,20)(23,26,55,51,72)(24,85,53, 80,83)(25,98,52,59,30)(27,
 78,54,62,89)(28,68,56,88,65)(29,57,33,81,32)(31,74,90, 95,70)(34,66,87,67,76)(35,47,94,39,99)(36,91,49,40,41)
 (37,46,38,50,48)(42,92,93, 43,45)(58,63,69,97,60)(64,79,77,84,71)(73,96,82,86,75),
 (1,19)(2,32,4,33)(3,11)(5,62,14,65)(6,69,18,67)(7,58,21,34)(8,73,12,75)(9,59,16, 30)(10,53,22,24)(13,15)(17,
 28,20,54)(23,42,51,43)(25,79,52,84)(26,80,55,83)(27, 40,56,41)(29,92,57,93)(31,61)(35,88,47,89)(36,63,49,76)
 (37,64,48,71)(38,45)(39, 44)(46,96,50,86)(60,99,66,94)(68,95,78,90)(70,97,74,87)(72,77)(81,82)(85,98)(91, 100),
 (1,19)(2,33,4,32)(3,11)(5,65,14,62)(6,67,18,69)(7,34,21,58)(8,75,12, 73)(9,30,16,59)(10,24,22,53)(13,15)(17,
 54,20,28)(23,43,51,42)(25,84,52,79)(26, 83,55,80)(27,41,56,40)(29,93,57,92)(31,61)(35,89,47,88)(36,76,49,63)
 (37,71,48, 64)(38,45)(39,44)(46,86,50,96)(60,94,66,99)(68,90,78,95)(70,87,74,97)(72,77)(81, 82)(85,98)(91,100),
 (1,38,98,81,72)(2,43,24,96,79)(3,44,61,15,100)(4,42,53,86, 84)(5,41,20,47,95)(6,36,7,94,70)(8,37,30,57,55)(9,
 93,83,73,64)(10,50,52,32, 23)(11,39,31,13,91)(12,48,59,29,26)(14,40,17,35,90)(16,92,80,75,71)(18,49,21,99, 74)
 (19,45,85,82,77)(22,46,25,33,51)(27,54,89,78,62)(28,88,68,65,56)(34,66,87,67, 76)(58,60,97,69,63),
 (1,72,81,98,38)(2,79,96,24,43)(3,100,15,61,44)(4,84,86, 53,42)(5,95,47,20,41)(6,70,94,7,36)(8,55,57,30,37)(9,
 64,73,83,93)(10,23,32,52, 50)(11,91,13,31,39)(12,26,29,59,48)(14,90,35,17,40)(16,71,75,80,92)(18,74,99,21, 49)
 (19,77,82,85,45)(22,51,33,25,46)(27,62,78,89,54)(28,56,65,68,88)(34,76,67,87, 66)(58,63,69,97,60),
 (1,81,38,72,98)(2,96,43,79,24)(3,15,44,100,61)(4,86,42, 84,53)(5,47,41,95,20)(6,94,36,70,7)(8,57,37,55,30)(9,
 73,93,64,83)(10,32,50,23, 52)(11,13,39,91,31)(12,29,48,26,59)(14,35,40,90,17)(16,75,92,71,80)(18,99,49,74, 21)
 (19,82,45,77,85)(22,33,46,51,25)(27,78,54,62,89)(28,65,88,56,68)(34,67,66,76, 87)(58,69,60,63,97),
 (1,98,72,38,81)(2,24,79,43,96)(3,61,100,44,15)(4,53,84, 42,86)(5,20,95,41,47)(6,7,70,36,94)(8,30,55,37,57)(9,
 83,64,93,73)(10,52,23,50, 32)(11,31,91,39,13)(12,59,26,48,29)(14,17,90,40,35)(16,80,71,92,75)(18,21,74,49, 99)
 (19,85,77,45,82)(22,25,51,46,33)(27,89,62,54,78)(28,68,56,88,65)(34,87,76,66, 67)(58,97,63,60,69).

The character table of $G^{s_{15}}$:

	10										20										
$\chi_{15}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
$\chi_{15}^{(2)}$	1	1	1	1	-1	-1	-1	-1	-1	-1	1	1	1	1	1	1	-1	-1	1	-1	
$\chi_{15}^{(3)}$	1	-1	1	1	C	-C	-C	C	-C	C	1	-1	-1	1	1	-1	-1	-C	C	1	-C
$\chi_{15}^{(4)}$	1	-1	1	1	-C	C	C	-C	C	-C	1	-1	-1	1	1	-1	-1	C	-C	1	C
$\chi_{15}^{(5)}$	4	.	-1	-1	.	.	.	.	.	.	-1	.	.	4	-1	.	.	.	.	-1	.
$\chi_{15}^{(6)}$	4	.	-1	-1	.	.	.	.	.	.	-1	.	.	-1	4	.	.	.	.	-1	.
$\chi_{15}^{(7)}$	4	.	A	*A	.	.	.	.	.	.	*B	.	.	-1	-1	.	.	.	.	B	.
$\chi_{15}^{(8)}$	4	.	*A	A	.	.	.	.	.	.	B	.	.	-1	-1	.	.	.	.	*B	.
$\chi_{15}^{(9)}$	4	.	B	*B	.	.	.	.	.	.	A	.	.	-1	-1	.	.	.	.	*A	.
$\chi_{15}^{(10)}$	4	.	*B	B	.	.	.	.	.	.	*A	.	.	-1	-1	.	.	.	.	A	.
$\chi_{15}^{(11)}$	5	-1	.	.	D	-E	-D	E	/E	-/E	.	G	F	.	.	/F	/G	/D	-/D	.	-C
$\chi_{15}^{(12)}$	5	-1	.	.	-/D	/E	/D	-/E	-E	E	.	/G	/F	.	.	F	G	-D	D	.	-C
$\chi_{15}^{(13)}$	5	-1	.	.	E	/D	-E	-/D	-D	D	.	F	/G	.	.	G	/F	/E	-/E	.	-C
$\chi_{15}^{(14)}$	5	-1	.	.	-/E	-D	/E	D	/D	-/D	.	/F	G	.	.	/G	F	-E	E	.	-C
$\chi_{15}^{(15)}$	5	-1	.	.	/E	D	-/E	-D	-/D	/D	.	/F	G	.	.	/G	F	E	-E	.	C
$\chi_{15}^{(16)}$	5	-1	.	.	-E	-/D	E	/D	D	-D	.	F	/G	.	.	G	/F	-/E	/E	.	C
$\chi_{15}^{(17)}$	5	-1	.	.	/D	-/E	-/D	/E	E	-E	.	/G	/F	.	.	F	G	D	-D	.	C
$\chi_{15}^{(18)}$	5	-1	.	.	-D	E	D	-E	-/E	/E	.	G	F	.	.	/F	/G	-/D	/D	.	C
$\chi_{15}^{(19)}$	5	1	.	.	F	/G	F	/G	G	G	.	-/G	-/F	.	.	-F	-G	/F	/F	.	-1
$\chi_{15}^{(20)}$	5	1	.	.	G	F	G	F	/F	/F	.	-F	-/G	.	.	-G	-/F	/G	/G	.	-1
$\chi_{15}^{(21)}$	5	1	.	.	/G	/F	/G	/F	F	F	.	-/F	-G	.	.	-/G	-F	G	G	.	-1
$\chi_{15}^{(22)}$	5	1	.	.	/F	G	/F	G	/G	/G	.	-G	-F	.	.	-/F	-/G	F	F	.	-1
$\chi_{15}^{(23)}$	5	1	.	.	-/F	-G	-/F	-G	-/G	-/G	.	-G	-F	.	.	-/F	-/G	-F	-F	.	1
$\chi_{15}^{(24)}$	5	1	.	.	-/G	-/F	-/G	-/F	-F	-F	.	-/F	-G	.	.	-/G	-F	-G	-G	.	1
$\chi_{15}^{(25)}$	5	1	.	.	-G	-F	-G	-F	-/F	-/F	.	-F	-/G	.	.	-G	-/F	-/G	-/G	.	1
$\chi_{15}^{(26)}$	5	1	.	.	-F	-/G	-F	-/G	-G	-G	.	-/G	-/F	.	.	-F	-G	-/F	-/F	.	1

$\chi_{15}^{(1)}$	1	1	1	1	1
$\chi_{15}^{(2)}$	-1	1	1	1	1
$\chi_{15}^{(3)}$	C	1	1	1	1
$\chi_{15}^{(4)}$	-C	1	1	1	1
$\chi_{15}^{(5)}$	.	4	4	4	4
$\chi_{15}^{(6)}$	.	4	4	4	4
$\chi_{15}^{(7)}$	.	4	4	4	4
$\chi_{15}^{(8)}$	.	4	4	4	4
$\chi_{15}^{(9)}$	.	4	4	4	4
$\chi_{15}^{(10)}$	.	4	4	4	4
$\chi_{15}^{(11)}$	C	H	/H	I	/I
$\chi_{15}^{(12)}$	C	/H	H	/I	I
$\chi_{15}^{(13)}$	C	I	/I	/H	H
$\chi_{15}^{(14)}$	C	/I	I	H	/H
$\chi_{15}^{(15)}$	-C	/I	I	H	/H
$\chi_{15}^{(16)}$	-C	I	/I	/H	H
$\chi_{15}^{(17)}$	-C	/H	H	/I	I
$\chi_{15}^{(18)}$	-C	H	/H	I	/I
$\chi_{15}^{(19)}$	-1	/H	H	/I	I
$\chi_{15}^{(20)}$	-1	I	/I	/H	H
$\chi_{15}^{(21)}$	-1	/I	I	H	/H
$\chi_{15}^{(22)}$	-1	H	/H	I	/I
$\chi_{15}^{(23)}$	1	H	/H	I	/I
$\chi_{15}^{(24)}$	1	/I	I	H	/H
$\chi_{15}^{(25)}$	1	I	/I	/H	H
$\chi_{15}^{(26)}$	1	/H	H	/I	I

where $A = -E(5) - 2^*E(5)^2 - 2^*E(5)^3 - E(5)^4 = (3 + ER(5))/2 = 2 + b5$; $B = 2^*E(5)^2 + 2^*E(5)^3 = -1 - ER(5) = -1 - r5$; $C = -E(4) = -ER(-1) = -i$; $D = -E(20)$; $E = -E(20)^{13}$; $F = -E(5)$; $G = -E(5)^2$; $H = 5^*E(5)^2$; $I = 5^*E(5)$.

The generators of $G^{s_{16}}$ are:

(1, 82, 10, 86)(2, 29, 16, 33)(3, 20)(4, 98, 19, 52)(5, 15) (6, 66, 14, 58)(7, 67, 17, 97)(8, 9)(11, 88, 21, 27)(12, 80, 22, 24) (13, 56, 18, 78)(23, 53, 72, 85)(25, 79, 59, 71)(26, 92, 51, 43) (28, 49, 62, 91)(30, 83)(31, 65, 74, 89)(32, 42, 81, 45)(34, 90, 63, 70) (35, 69, 94, 76)(36, 87, 40, 60)(37, 93)(38, 77, 50, 84)(39, 68, 99, 54) (41, 100)(44, 47)(46, 96, 48, 75)(55, 64)(57, 73)(61, 95), (3, 20)(4, 17)(6, 14)(7, 19)(8, 9)(11, 12)(13, 18)(21, 22)(23, 31) (24, 27)(25, 34)(26, 36)(28, 38)(32, 35)(39, 75)(40, 51)(42, 69) (43, 60)(44, 47)(45, 76)(46, 68)(48, 54)(49, 77)(50, 62)(52, 67) (53, 65)(56, 78)(57, 73)(58, 66)(59, 63)(70, 71)(72, 74)(79, 90) (80, 88)(81, 94)(84, 91)(85, 89)(87, 92)(96, 99)(97, 98), (3, 47, 20, 44)(4, 68, 17, 46)(5, 15)(6, 66, 14, 58)(7, 48, 19, 54) (8, 73, 9, 57)(11, 42, 12, 69)(13, 78, 18, 56)(21, 45, 22, 76) (23, 28, 31, 38)(24, 35, 27, 32)(25, 36, 34, 26)(30, 37)(39, 67, 75, 52) (40, 63, 51, 59)(41, 61)(43, 71, 60, 70)(49, 65, 77, 53)(50, 72, 62, 74) (55, 64)(79, 87, 90, 92)(80, 94, 88, 81)(83, 93)(84, 85, 91, 89)(95, 100) (96, 98, 99, 97), (2, 6, 13)(3, 8, 5)(4, 12, 17)(7, 19, 22) (9, 15, 20)(14, 18, 16)(23, 51, 76)(24, 67, 52)(25, 36, 68)(26, 69, 72) (28, 48, 31)(29, 66, 56)(30, 61, 37)(32, 70, 77)(33, 58, 78)(34, 50, 42) (35, 53, 43)(38, 45, 63)(39, 71, 60)(40, 54, 59)(44, 57, 64)(46, 74, 62) (47, 73, 55)(49, 75, 65)(79, 87, 99)(80, 97, 98)(81, 90, 84)(83, 95, 93) (85, 92, 94)(89, 91, 96), (1, 2)(3, 20)(6, 18)(8, 9)(10, 16) (11, 21)(12, 22)(13, 14)(23, 79)(24, 80)(25, 85)(26, 91)(27, 88) (28, 92)(29, 82)(30, 83)(31, 90)(32, 94)(33, 86)(34, 89)(35, 81) (36, 84)(37, 93)(38, 87)(39, 75)(40, 77)(42, 76)(43, 62)(45, 69) (46, 68)(48, 54)(49, 51)(50, 60)(53, 59)(56, 58)(63, 65)(66, 78) (70, 74)(71, 72)(96, 99), (1, 4, 13, 12, 10, 19, 18,

22)(2, 7, 6, 11, 16, 17, 14, 21)(3, 9, 20, 8)(5, 15)(23, 62, 79, 38, 72, 28, 71, 50) (24, 82, 98, 56, 80, 86, 52, 78)(25, 84, 53, 91, 59, 77, 85, 49) (26, 34, 36, 89, 51, 63, 40, 65)(27, 29, 67, 66, 88, 33, 97, 58)(30, 44) (31, 43, 70, 60, 74, 92, 90, 87)(32, 68, 45, 39, 81, 54, 42, 99) (35, 46, 69, 96, 94, 48, 76, 75)(37, 73, 93, 57)(47, 83)(55, 61, 64, 95).

The representatives of conjugacy classes of $G^{s_{16}}$ are:

(1), (1,10)(2,16)(4,19)(6,14)(7,17)(11,21)(12,22)(13,18)(23,72)(24,80)(25,59)(26, 51)(27,88)(28,62)(29,33)(31,74)(32,81)(34,63)(35,94)(36,40)(38,50)(39,99)(42, 45)(43,92)(46,48)(49,91)(52,98)(53,85)(54,68)(56,78)(58,66)(60, 87)(65,89)(67, 97)(69,76)(70,90)(71,79)(75,96)(77,84)(82,86),

(1,86,10,82)(2,33,16,29)(3,20)(4,52,19,98)(5,15)(6,58,14,66)(7,97,17,67)(8,9)(11, 27,21,88)(12,24,22,80)(13,78, 18,56)(23,85,72,53)(25,71,59,79)(26,43,51,92)(28, 91,62,49)(30,83)(31,89,74,65)(32,45,81,42)(34,70,63,90)(35,76, 94,69)(36,60,40, 87)(37,93)(38,84,50,77)(39,54,99,68)(41,100)(44,47)(46,75,48,96)(55,64)(57, 73)(61,95),

(1,82,10,86)(2,29,16,33)(3,20)(4,98,19,52)(5,15)(6,66,14,58)(7,67, 17,97)(8,9)(11,88,21,27)(12,80,22,24)(13,56, 18,78)(23,53,72,85)(25,79,59,71)(26, 92,51,43)(28,49,62,91)(30,83)(31,65,74,89)(32,42,81,45)(34,90,63,70)(35,69, 94, 76)(36,87,40,60)(37,93)(38,77,50,84)(39,68,99,54)(41,100)(44,47)(46,96,48, 75)(55,64)(57,73)(61,95),

(2,16)(4,12)(5,15)(7,21)(8,9)(11,17)(13,18)(19, 22)(23,63)(24,52)(25,74)(26,62)(27,67)(28,51)(29,33)(31,59)(32, 75)(34,72)(35, 39)(36,50)(38,40)(42,46)(43,49)(45,48)(53,70)(54,76)(55,64)(56,78)(57,73)(60, 77)(65,71)(68,69)(79, 89)(80,98)(81,96)(84,87)(85,90)(88,97)(91,92)(94,99),

(1,86,10,82)(2,29,16,33)(3,20)(4,24,19,80)(6,58,14,66)(7,88,17,27)(11,67,21, 97)(12,52,22,98)(13,56,18,78)(23,90, 72,70)(25,65,59,89)(26,49,51,91)(28,92,62, 43)(30,83)(31,79,74,71)(32,48,81,46)(34,53,63,85)(35,54,94,68)(36,77,40, 84)(37, 93)(38,87,50,60)(39,76,99,69)(41,100)(42,75,45,96)(44,47)(61,95),

(1,27,18,80,10,88,13,24)(2,98,6,67,16,52,14,97)(4,58,7,29,19,66,17,33)(5,9,15, 8)(11,78,22,86,21,56,12,82)(23,71, 53,25,72,79,85,59)(26,75,28,76,51,96,62, 69)(30,64)(31,63,89,90,74,34,65,70)(32,77,68,87,81,84,54,60)(35,43,48,91, 94,92, 46,49)(36,42,50,99,40,45,38,39)(37,44,93,47)(41,100)(55,83)(57,95,73,61),

(1,67,2,80,10,97,16,24)(4,58,21,78,19,66,11,56)(5,8,15,9)(6,27,13,52,14,88,18, 98)(7,33,12,82,17,29,22,86)(23,65, 53,74,72,89,85,31)(25,34,71,70,59,63,79, 90)(26,32,60,75,51,81,87,96)(28,54,77,69,62,68,84,76)(30,55,83,64)(35,49, 39,50, 94,91,99,38)(36,46,43,45,40,48,92,42)(37,44,93,47)(41,100)(57,95)(61,73),

(1,24)(2,97)(3,20)(4,66)(5,8)(6,52)(7,29)(9,15)(10,80)(11,56)(12,82)(13,27)(14, 98)(16,67)(17,33)(18,88)(19,58)(21,78)(22,86)(23,70)(25,74)(26,39)(28,45)(30, 64)(31,59)(32,49)(34,53)(35,60)(36,69)(37,47)(38,75)(40,76)(41, 100)(42,62)(43, 54)(44,93)(46,77)(48,84)(50,96)(51,99)(55,83)(57,95)(61,73)(63,85)(65,71)(68, 92)(72,90)(79,89)(81,91)(87,94),

(1,22,10,12)(2,17,16,7)(4,6,19,14)(5,9)(8, 15)(11,13,21,18)(23,63,72,34)(24,86,80,82)(25,65,59,89)(26,54,51,68)(27,78,88, 56)(28,81,62,32)(29,97,33,67)(30,55)(31,79,74,71)(35,40,94,36)(37,44)(38,48,50, 46)(39,43,99,92)(42,49, 45,91)(47,93)(52,58,98,66)(53,70,85,90)(57,61)(60,76,87, 69)(64,83)(73,95)(75,84,96,77),

(1,52,6,24)(2,88,13,67)(3,20)(4,66,12,82)(5, 9)(7,33,11,78)(8,15)(10,98,14,80)(16,27,18,97)(17,29,21,56)(19,58, 22,86)(23,53, 72,85)(26,35,77,42)(28,48,87,99)(30,55,83,64)(32,43,76,38)(34,70,63,90)(36,68, 91,96)(37,47)(39,62, 46,60)(40,54,49,75)(41,100)(44,93)(45,51,94,84)(50,81,92, 69)(57,95,73,61),

(1,98,6,80)(2,27,13,97)(3,20)(4,58,12,86)(5,9)(7,29,11, 56)(8,15)(10,52,14,24)(16,88,18,67)(17,33,21,78)(19,66, 22,82)(23,85,72,53)(25, 59)(26,94,77,45)(28,46,87,39)(30,55,83,64)(31,74)(32,92,76,50)(34,90,63,70)(35, 84,42,51)(36,54,91,75)(37,47)(38,81,43,69)(40,68,49,96)(41,100)(44,93)(48,60,99, 62)(57,95,73,61)(65,89)(71,79),

(1,19,14,12)(2,11,18,17)(4,6,22,10)(5,8)(7,16, 21,13)(9,15)(24,86,98,66)(25,71,59,79)(26,76,84,81)(27,56,67,33)(28,96,60, 54)(29,88,78,97)(30,64,83,55)(31,89,74,65)(32,51,69,77)(34,63)(35,38,45,92)(36, 39,49,48)(37,44)(40,99, 91,46)(42,43,94,50)(47,93)(52,58,80,82)(57,61,73,95)(62, 75,87,68)(70,90),

(1,4,14,22)(2,21,18,7)(5,8)(6,12,10,19)(9,15)(11,13,17, 16)(23,72)(24,82,98,58)(25,79,59,71)(26,69,84,32)(27,78, 67,29)(28,75,60,68)(30, 64,83,55)(31,65,74,89)(33,88,56,97)(35,50,45,43)(36,99,49,46)(37,44)(38,42,92, 94)(39,91, 48,40)(47,93)(51,76,77,81)(52,66,80,86)(53,85)(54,62,96,87)(57,61,73, 95),

$(1, 24, 32)(2, 88, 94)(3, 30, 73)(4, 96, 18)(6, 17, 39)(7, 99, 14)(8, 37, 47)(9, 93, 44)(10, 80, 81)(11, 69, 33)(12, 42, 82)(13, 19, 75)$
 $(16, 27, 35)(20, 83, 57)(21, 76, 29)(22, 45, 86)(23, 31, 70)(26, 36, 77)(34, 53, 65)(38, 43, 60)(40, 84, 51)(41, 64, 95)(46, 56, 52)(48,$
 $78, 98)(50, 92, 87)(54, 58, 67)(55, 61, 100)(63, 85, 89)(66, 97, 68)(72, 74, 90),$
 $(1, 80, 32, 10, 24, 81)(2, 27, 94, 16, 88, 35)(3, 30, 73)(4, 75, 18, 19, 96, 13)(6, 7, 39, 14, 17, 99)(8, 37, 47)(9, 93, 44)(11, 76, 33, 21,$
 $69, 29)(12, 45, 82, 22, 42, 86)(20, 83, 57)(23, 74, 70, 72, 31, 90)(25, 59)(26, 40, 77, 51, 36, 84)(28, 62)(34, 85, 65, 63, 53, 89)(38, 92,$
 $60, 50, 43, 87)(41, 64, 95)(46, 78, 52, 48, 56, 98)(49, 91)(54, 66, 67, 68, 58, 97)(55, 61, 100)(71, 79),$
 $(1, 22, 81, 82, 24, 45, 10, 12, 32, 86, 80, 42)(2, 11, 35, 29, 88, 69, 16, 21, 94, 33, 27, 76)(3, 83, 73, 20, 30, 57)(4, 46, 13, 98, 96, 56, 19,$
 $48, 18, 52, 75, 78)(5, 15)(6, 67, 99, 66, 17, 54, 14, 97, 39, 58, 7, 68)(8, 93, 47, 9, 37, 44)(23, 89, 90, 53, 31, 63, 72, 65, 70, 85, 74, 34)(25,$
 $71, 59, 79)(26, 60, 84, 92, 36, 38, 51, 87, 77, 43, 40, 50)(28, 91, 62, 49)(41, 55, 95, 100, 64, 61),$
 $(1, 12, 81, 86, 24, 42, 10, 22, 32, 82, 80, 45)(2, 21, 35, 33, 88, 76, 16, 11, 94, 29, 27, 69)(3, 83, 73, 20, 30, 57)(4, 48, 13, 52, 96, 78, 19,$
 $46, 18, 98, 75, 56)(5, 15)(6, 97, 99, 58, 17, 68, 14, 67, 39, 66, 7, 54)(8, 93, 47, 9, 37, 44)(23, 65, 90, 85, 31, 34, 72, 89, 70, 53, 74, 63)(25,$
 $79, 59, 71)(26, 87, 84, 43, 36, 50, 51, 60, 77, 92, 40, 38)(28, 49, 62, 91)(41, 55, 95, 100, 64, 61),$
 $(1, 24, 32, 38, 31, 86, 22, 45, 84, 89, 10, 80, 81, 50, 74, 82, 12, 42, 77, 65)(2, 4, 69, 62, 25, 33, 52, 35, 49, 71, 16, 19, 76, 28, 59, 29, 98,$
 $94, 91, 79)(3, 15, 37, 100, 55, 20, 5, 93, 41, 64)(6, 27, 54, 43, 23, 58, 21, 99, 51, 85, 14, 88, 68, 92, 72, 66, 11, 39, 26, 53)(7, 75, 60, 34, 56,$
 $97, 48, 40, 70, 13, 17, 96, 87, 63, 78, 67, 46, 36, 90, 18)(8, 30, 47, 95, 57, 9, 83, 44, 61, 73),$
 $(1, 80, 32, 50, 31, 82, 22, 42, 84, 65, 10, 24, 81, 38, 74, 86, 12, 45, 77, 89)(2, 19, 69, 28, 25, 29, 52, 94, 49, 79, 16, 4, 76, 62, 59, 33, 98,$
 $35, 91, 71)(3, 15, 37, 100, 55, 20, 5, 93, 41, 64)(6, 88, 54, 92, 23, 66, 21, 39, 51, 53, 14, 27, 68, 43, 72, 58, 11, 99, 26, 85)(7, 96, 60, 63, 56,$
 $67, 48, 36, 70, 18, 17, 75, 87, 34, 78, 97, 46, 40, 90, 13)(8, 30, 47, 95, 57, 9, 83, 44, 61, 73),$
 $(1, 22, 81, 77, 31, 10, 12, 32, 84, 74)(2, 52, 76, 91, 25, 16, 98, 69, 49, 59)(3, 5, 37, 41, 55)(4, 35, 28, 79, 33, 19, 94, 62, 71, 29)(6, 21,$
 $68, 26, 23, 14, 11, 54, 51, 72)(7, 48, 87, 90, 56, 17, 46, 60, 70, 78)(8, 83, 47, 61, 57)(9, 30, 44, 95, 73)(13, 67, 75, 40, 63, 18, 97, 96, 36,$
 $34)(15, 93, 100, 64, 20)(24, 45, 50, 65, 86, 80, 42, 38, 89, 82)(27, 99, 92, 53, 58, 88, 39, 43, 85, 66),$
 $(1, 12, 81, 84, 31)(2, 98, 76, 49, 25)(3, 5, 37, 41, 55)(4, 94, 28, 71, 33)(6, 11, 68, 51, 23)(7, 46, 87, 70, 56)(8, 83, 47, 61, 57)(9, 30,$
 $44, 95, 73)(10, 22, 32, 77, 74)(13, 97, 75, 36, 63)(14, 21, 54, 26, 72)(15, 93, 100, 64, 20)(16, 52, 69, 91, 59)(17, 48, 60, 90, 78)(18,$
 $67, 96, 40, 34)(19, 35, 62, 79, 29)(24, 42, 50, 89, 86)(27, 39, 92, 85, 58)(38, 65, 82, 80, 45)(43, 53, 66, 88, 99),$
 $(1, 24, 32, 34, 36, 82, 12, 42, 90, 87, 10, 80, 81, 63, 40, 86, 22, 45, 70, 60)(2, 7, 76, 59, 28, 29, 67, 35, 71, 49, 16, 17, 69, 25, 62, 33, 97,$
 $94, 79, 91)(3, 37, 73, 95, 44, 20, 93, 57, 61, 47)(4, 39, 65, 38, 58, 98, 68, 74, 77, 6, 19, 99, 89, 50, 66, 52, 54, 31, 84, 14)(5, 83, 41, 64, 8, 15,$
 $30, 100, 55, 9)(11, 96, 72, 92, 18, 88, 48, 85, 51, 78, 21, 75, 23, 43, 13, 27, 46, 53, 26, 56),$
 $(1, 80, 32, 63, 36, 86, 12, 45, 90, 60, 10, 24, 81, 34, 40, 82, 22, 42, 70, 87)(2, 17, 76, 25, 28, 33, 67, 94, 71, 91, 16, 7, 69, 59, 62, 29, 97,$
 $35, 79, 49)(3, 37, 73, 95, 44, 20, 93, 57, 61, 47)(4, 99, 65, 50, 58, 52, 68, 31, 77, 14, 19, 39, 89, 38, 66, 98, 54, 74, 84, 6)(5, 83, 41, 64, 8, 15,$
 $30, 100, 55, 9)(11, 75, 72, 43, 18, 27, 48, 53, 51, 56, 21, 96, 23, 92, 13, 88, 46, 85, 26, 78),$
 $(1, 22, 81, 90, 36)(2, 97, 69, 71, 28)(3, 93, 73, 61, 44)(4, 54, 89, 77, 58)(5, 30, 41, 55, 8)(6, 98, 39, 31, 50)(7, 94, 25, 49, 29)(9, 15,$
 $83, 100, 64)(10, 12, 32, 70, 40)(11, 46, 23, 51, 18)(13, 21, 48, 72, 26)(14, 52, 99, 74, 38)(16, 67, 76, 79, 62)(17, 35, 59, 91, 33)(19, 68,$
 $65, 84, 66)(20, 37, 57, 95, 47)(24, 45, 63, 87, 82)(27, 75, 85, 92, 56)(34, 60, 86, 80, 42)(43, 78, 88, 96, 53),$
 $(1, 12, 81, 70, 36, 10, 22, 32, 90, 40)(2, 67, 69, 79, 28, 16, 97, 76, 71, 62)(3, 93, 73, 61, 44)(4, 68, 89, 84, 58, 19, 54, 65, 77, 66)(5, 30,$
 $41, 55, 8)(6, 52, 39, 74, 50, 14, 98, 99, 31, 38)(7, 35, 25, 91, 29, 17, 94, 59, 49, 33)(9, 15, 83, 100, 64)(11, 48, 23, 26, 18, 21, 46, 72, 51, 13)$
 $(20, 37, 57, 95, 47)(24, 42, 63, 60, 82, 80, 45, 34, 87, 86)(27, 96, 85, 43, 56, 88, 75, 53, 92, 78).$

The character table of $G^{s_{16}}$:

	10																20					
$\chi_{16}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
$\chi_{16}^{(2)}$	3	3	3	3	3	3	-1	-1	-1	-1	-1	-1	-1	.	.	.	.	G	G	G	G	
$\chi_{16}^{(3)}$	3	3	3	3	3	3	-1	-1	-1	-1	-1	-1	-1	.	.	.	.	*G	*G	*G	*G	
$\chi_{16}^{(4)}$	4	4	4	4	4	4	.	.	.	.	.	.	.	1	1	1	1	-1	-1	-1	-1	
$\chi_{16}^{(5)}$	4	-4	A	-A	.	.	.	.	.	.	2	-2	E	-E	1	-1	F	-F	-F	F	1	-1
$\chi_{16}^{(6)}$	4	-4	-A	A	.	.	.	.	.	.	2	-2	-E	E	1	-1	-F	F	F	-F	1	-1
$\chi_{16}^{(7)}$	5	5	5	5	5	5	1	1	1	1	1	1	1	1	-1	-1	-1	-1	.	.	.	.
$\chi_{16}^{(8)}$	6	6	-6	-6	-2	2	.	.	-2	2	2	2	-2	-2	.	.	.	.	-1	-1	1	1
$\chi_{16}^{(9)}$	6	6	-6	-6	-2	2	.	.	2	-2	-2	-2	2	2	.	.	.	.	-1	-1	1	1
$\chi_{16}^{(10)}$	10	10	-10	-10	2	-2	.	.	2	-2	2	2	-2	-2	1	1	-1	-1	.	.	.	.
$\chi_{16}^{(11)}$	10	10	-10	-10	2	-2	.	.	-2	2	-2	-2	2	2	1	1	-1	-1	.	.	.	.
$\chi_{16}^{(12)}$	12	-12	B	-B	.	.	.	.	.	.	-2	2	-E	E	.	.	.	.	H	-H	G	-G
$\chi_{16}^{(13)}$	12	-12	B	-B	.	.	.	.	.	.	-2	2	-E	E	.	.	.	.	I	-I	*G	*G
$\chi_{16}^{(14)}$	12	-12	-B	B	.	.	.	.	.	.	-2	2	E	-E	.	.	.	.	-I	I	*G	*G
$\chi_{16}^{(15)}$	12	-12	-B	B	.	.	.	.	.	.	-2	2	E	-E	.	.	.	.	-H	H	G	-G
$\chi_{16}^{(16)}$	12	12	-12	-12	-4	4	.	.	.	.	.	.	.	.	.	.	.	.	G	G	-G	-G
$\chi_{16}^{(17)}$	12	12	-12	-12	-4	4	.	.	.	.	.	.	.	.	.	.	.	.	*G	*G	*G	*G
$\chi_{16}^{(18)}$	15	15	15	15	-1	-1	-1	-1	-1	-1	3	3	3	3	.	.	.	.	.	.	.	.
$\chi_{16}^{(19)}$	15	15	15	15	-1	-1	-1	-1	3	3	-1	-1	-1	-1	.	.	.	.	.	.	.	.
$\chi_{16}^{(20)}$	15	15	15	15	-1	-1	-1	3	-1	-1	-1	-1	-1	-1	.	.	.	.	.	.	.	.
$\chi_{16}^{(21)}$	15	15	15	15	-1	-1	3	-1	-1	-1	-1	-1	-1	-1	.	.	.	.	.	.	.	.
$\chi_{16}^{(22)}$	16	-16	C	-C	.	.	.	.	.	.	.	.	.	.	1	-1	F	-F	F	-F	-1	1
$\chi_{16}^{(23)}$	16	-16	-C	C	.	.	.	.	.	.	.	.	.	.	1	-1	-F	F	-F	F	-1	1
$\chi_{16}^{(24)}$	20	20	-20	-20	4	-4	.	.	.	.	.	.	.	.	-1	-1	1	1	.	.	.	.
$\chi_{16}^{(25)}$	20	-20	D	-D	.	.	.	.	.	.	2	-2	E	-E	-1	1	-F	F	.	.	.	.
$\chi_{16}^{(26)}$	20	-20	-D	D	.	.	.	.	.	.	2	-2	-E	E	-1	1	F	-F	.	.	.	.

$\chi_{16}^{(1)}$	1	1	1	1
$\chi_{16}^{(2)}$	*G	*G	*G	*G
$\chi_{16}^{(3)}$	G	G	G	G
$\chi_{16}^{(4)}$	-1	-1	-1	-1
$\chi_{16}^{(5)}$	F	-F	-1	1
$\chi_{16}^{(6)}$	-F	F	-1	1
$\chi_{16}^{(7)}$	.	.	.	.
$\chi_{16}^{(8)}$	-1	-1	1	1
$\chi_{16}^{(9)}$	-1	-1	1	1
$\chi_{16}^{(10)}$	.	.	.	.
$\chi_{16}^{(11)}$	.	.	.	.
$\chi_{16}^{(12)}$	-I	I	*G	*G
$\chi_{16}^{(13)}$	-H	H	-G	G
$\chi_{16}^{(14)}$	H	-H	-G	G
$\chi_{16}^{(15)}$	I	-I	*G	*G
$\chi_{16}^{(16)}$	*G	*G	*G	*G
$\chi_{16}^{(17)}$	G	G	-G	-G
$\chi_{16}^{(18)}$	.	.	.	.
$\chi_{16}^{(19)}$	.	.	.	.
$\chi_{16}^{(20)}$	.	.	.	.
$\chi_{16}^{(21)}$	.	.	.	.
$\chi_{16}^{(22)}$	-F	F	1	-1
$\chi_{16}^{(23)}$	F	-F	1	-1
$\chi_{16}^{(24)}$	.	.	.	.
$\chi_{16}^{(25)}$	.	.	.	.
$\chi_{16}^{(26)}$	.	.	.	.

where $A = -4^*E(4) = -4^*ER(-1) = -4i$; $B = -12^*E(4) = -12^*ER(-1) = -12i$; $C = -16^*E(4) = -16^*ER(-1) = -16i$; $D = -20^*E(4) = -20^*ER(-1) = -20i$; $E = -2^*E(4) = -2^*ER(-1) = -2i$; $F = -E(4) = -ER(-1) = -i$; $G = -E(5)-E(5)^4 = (1-ER(5))/2 = -b5$; $H = -E(20)-E(20)^9$; $I = -E(20)^{13}-E(20)^{17}$.

The generators of $G^{s_{17}}$ are:

(1, 37, 46, 32, 43, 24, 76)(2, 33, 91, 13, 87, 20, 96)(3, 63, 74, 81, 55, 95, 85)(4, 54, 72, 35, 84, 65, 31)(5, 44, 49, 99, 16, 19, 42)(7, 10, 12, 94, 82, 86, 64)(8, 38, 17, 15, 56, 39, 47)(9, 88, 57, 14, 92, 90, 18)(11, 97, 71, 75, 78, 23, 41)(21, 62, 52, 29, 60, 59, 25)(22, 34, 83, 73, 77, 40, 26)(27, 45, 69, 48, 36, 93, 58)(28, 61, 30, 68, 67, 100, 70)(50, 98, 89, 53, 80, 66, 51)

The representatives of conjugacy classes of $G^{s_{17}}$ are:

(1), (1,24,32,37,76,43,46)(2,20,13,33,96,87,91)(3,95,81,63,85,55,74)(4,65,35,54, 31,84,72)(5,19,99,44,42,16,49)(7, 86,94,10,64,82,12)(8,39,15,38,47,56,17)(9,90, 14,88,18,92,57)(11,23,75,97,41,78,71)(21,59,29,62,25,60,52)(22,40, 73,34,26,77, 83)(27,93,48,45,58,36,69)(28,100,68,61,70,67,30)(50,66,53,98,51,80,89),

(1,32,76,46,24,37,43)(2,13,96,91,20,33,87)(3,81,85,74,95,63,55)(4,35,31,72,65,54, 84)(5,99,42,49,19,44,16)(7, 94,64,12,86,10,82)(8,15,47,17,39,38,56)(9,14,18,57, 90,88,92)(11,75,41,71,23,97,78)(21,29,25,52,59,62,60)(22,73, 26,83,40,34,77)(27, 48,58,69,93,45,36)(28,68,70,30,100,61,67)(50,53,51,89,66,98,80),

(1,37,46,32,43,24,76)(2,33,91,13,87,20,96)(3,63,74,81,55,95,85)(4,54,72,35,84,65, 31)(5,44,49,99,16,19,42)(7, 10,12,94,82,86,64)(8,38,17,15,56,39,47)(9,88,57,14, 92,90,18)(11,97,71,75,78,23,41)(21,62,52,29,60,59,25)(22,34, 83,73,77,40,26)(27, 45,69,48,36,93,58)(28,61,30,68,67,100,70)(50,98,89,53,80,66,51),

(1,43,37,24,46,76,32)(2,87,33,20,91,96,13)(3,55,63,95,74,85,81)(4,84,54,65,72,31,35)(5,16,44,19,49,42,99)(7,82,10,86,12,64,94)(8,56,38,39,17,47,15)(9,92,88,90,57,18,14)(11,78,97,23,71,41,75)(21,60,62,59,52,25,29)(22,77,34,40,83,26,73)(27,36,45,93,69,58,48)(28,67,61,100,30,70,68)(50,80,98,66,89,51,53),
 (1,46,43,76,37,32,24)(2,91,87,96,33,13,20)(3,74,55,85,63,81,95)(4,72,84,31,54,35,65)(5,49,16,42,44,99,19)(7,12,82,64,10,94,86)(8,17,56,47,38,15,39)(9,57,92,18,88,14,90)(11,71,78,41,97,75,23)(21,52,60,25,62,29,59)(22,83,77,26,34,73,40)(27,69,36,58,45,48,93)(28,30,67,70,61,68,100)(50,89,80,51,98,53,66),
 (1,76,24,43,32,46,37)(2,96,20,87,13,91,33)(3,85,95,55,81,74,63)(4,31,65,84,35,72,54)(5,42,19,16,99,49,44)(7,64,86,82,94,12,10)(8,47,39,56,15,17,38)(9,18,90,92,14,57,88)(11,41,23,78,75,71,97)(21,25,59,60,29,52,62)(22,26,40,77,73,83,34)(27,58,93,36,48,69,45)(28,70,100,67,68,30,61)(50,51,66,80,53,89,98).

The character table of $G^{s_{17}}$:

	1	1	1	1	1	1	1
$\chi_{17}^{(1)}$	1	1	1	1	1	1	1
$\chi_{17}^{(2)}$	1	A	B	C	/B	/A	/C
$\chi_{17}^{(3)}$	1	B	/C	/A	C	/B	A
$\chi_{17}^{(4)}$	1	C	/A	B	A	/C	/B
$\chi_{17}^{(5)}$	1	/C	A	/B	/A	C	B
$\chi_{17}^{(6)}$	1	/B	C	A	/C	B	/A
$\chi_{17}^{(7)}$	1	/A	/B	/C	B	A	C

where $A = E(7)^5$; $B = E(7)^3$; $C = E(7)$.

The generators of $G^{s_{18}}$ are:

(1, 87, 46, 96, 20, 51, 78, 32, 42, 89, 74, 86)(2, 60, 6, 38, 10, 98, 5, 27, 72, 100, 73, 53)(3, 52, 76, 25, 90, 66)(4, 95, 40, 28, 11, 93)(7, 8, 26, 97, 30, 80, 70, 77, 65, 62, 85, 21)(9, 22, 37, 99, 36, 79, 67, 75, 43, 41, 92, 13)(12, 88, 29, 31, 48, 69, 82, 71, 63, 59, 47, 16)(14, 49, 44, 34, 94, 45)(15, 17, 91, 23, 33, 58, 68, 83, 39, 64, 55, 54)(18, 61, 81, 24)(19, 50, 84, 35)(56, 57)

The representatives of conjugacy classes of $G^{s_{18}}$ are:

(1), (1,20,42)(2,10,72)(3,90,76)(4,11,40)(5,73,67)(7,30,65)(8,80,62)(9,36,43)(12,48,63)(13,99,75)(14,94,44)(15,33,39)(16,31,71)(17,58,64)(21,97,77)(22,79,41)(23,83,54)(25,52,66)(26,70,85)(27,53,38)(28,95,93)(29,82,47)(32,86,96)(34,49,45)(37,67,92)(46,78,74)(51,89,87)(55,91,68)(59,88,69)(60,98,100),

(1,32,46,89,20,86,78,87,42,96,74,51)(2,27,6,100,10,53,5,60,72,38,73,98)(3,52,76,25,90,66)(4,95,40,28,11,93)(7,77,26,62,30,21,70,8,65,97,85,80)(9,75,37,41,36,13,67,22,43,99,92,79)(12,71,29,59,48,16,82,88,63,31,47,69)(14,49,44,34,94,45)(15,83,91,64,33,54,68,17,39,23,55,58)(18,24,81,61)(19,35,84,50)(56,57),

(1,42,20)(2,72,10)(3,76,90)(4,40,11)(5,6,73)(7,65,30)(8,62,80)(9,43,36)(12,63,48)(13,75,99)(14,44,94)(15,39,33)(16,71,31)(17,64,58)(21,77,97)(22,41,79)(23,54,83)(25,66,52)(26,85,70)(27,38,53)(28,93,95)(29,47,82)(32,96,86)(34,45,49)(37,92,67)(46,74,78)(51,87,89)(55,68,91)(59,69,88)(60,100,98),

(1,46,20,78,42,74)(2,6,10,5,72,73)(3,76,90)(4,40,11)(7,26,30,70,65,85)(8,97,80,77,62,21)(9,37,36,67,43,92)(12,29,48,82,63,47)(13,22,99,79,75,41)(14,44,94)(15,91,33,68,39,55)(16,88,31,69,71,59)(17,23,58,83,64,54)(18,81)(19,84)(24,61)(25,66,52)(27,100,53,60,38,98)(28,93,95)(32,89,86,87,96,51)(34,45,49)(35,50),

(1,51,74,96,42,87,78,86,20,89,46,32)(2,98,73,38,72,60,5,53,10,100,6,27)(3,66,90,25,76,52)(4,93,11,28,40,95)(7,80,85,97,65,8,70,21,30,62,26,77)(9,79,92,99,43,22,67,13,36,41,37,75)(12,69,47,31,63,88,82,16,48,59,29,71)(14,45,94,34,44,49)(15,58,55,23,39,17,68,54,33,64,91,83)(18,61,81,24)(19,50,84,35)(56,57),

(1,74,42,78,20,46)(2,73,72,5,10,6)(3,90,76)(4,11,40)(7,85,65,70,30,26)(8,21,62,77,80,97)(9,92,43,67,36,37)(12,47,63,82,48,29)(13,41,75,79,99,22)(14,94,44)(15,55,39,68,33,91)(16,59,71,69,31,88)(17,54,64,83,58,23)(18,81)(19,84)(24,61)(25,52,66)(27,98,38,60,53,100)(28,95,93)(32,51,96,87,86,89)(34,49,45)(35,50),

(1,78)(2,5)(6,72)(7,70)(8,77)(9,67)(10,73)(12,82)(13,79)(15,68)(16,69)(17,83)(18,81)(19,84)(20,74)(21,80)(22,75)(23,64)(24,61)(26,65)(27,60)(29,63)(30,85)(31,59)(32,87)(33,55)(35,50)(36,92)(37,43)(38,100)(39,91)(41,99)(42,46)(47,48)(51,86)(53,98)(54,58)(62,97)(71,88)(89,96),

(1,86,74,89,42,32,78,51,20,96,46,87)(2,53,73,100,72,27,5,98,10,38,6,60)(3,66,90,25,76,52)(4,93,11,28,40,95)(7,21,85,62,65,77,70,80,30,97,26,8)(9,13,92,41,43,75,67,79,36,99,37,22)(12,16,47,59,63,71,82,69,48,31,29,88)(14,45,94,34,44,49)(15,54,55,64,39,83,68,58,33,23,91,17)(18,24,81,61)(19,35,84,50)(56,57),

(1,87,46,96,20,51,78,32,42,89,74,86)(2,60,6,38,10,98,5,27,72,100,73,53)(3,52,76,25,90,66)(4,95,40,28,11,93)(7,8,26,97,30,80,70,77,65,62,85,21)(9,22,37,99,36,79,67,75,43,41,92,13)(12,88,29,31,48,69,82,71,63,59,47,16)(14,49,44,34,94,45)(15,17,91,23,33,58,68,83,39,64,55,54)(18,61,81,24)(19,50,84,35)(56,57),

(1,89,78,96)(2,100,5,38)(3,25)(4,28)(6,53,72,98)(7,62,70,97)(8,85,77,30)(9,41,67,99)(10,60,73,27)(11,95)(12,59,82,31)(13,43,79,37)(14,34)(15,64,68,23)(16,63,69,29)(17,55,83,33)(18,61,81,24)(19,50,84,35)(20,87,74,32)(21,65,80,26)(22,92,75,36)(39,58,91,54)(40,93)(42,51,46,86)(44,45)(47,71,48,88)(49,94)(52,90)(56,57)(66,76),

(1,96,78,89)(2,38,5,100)(3,25)(4,28)(6,98,72,53)(7,97,70,62)(8,30,77,85)(9,99,67,41)(10,27,73,60)(11,95)(12,31,82,59)(13,37,79,43)(14,34)(15,23,68,64)(16,29,69,63)(17,33,83,55)(18,24,81,61)(19,35,84,50)(20,32,74,87)(21,26,80,65)(22,36,75,92)(39,54,91,58)(40,93)(42,86,46,51)(44,45)(47,88,48,71)(49,94)(52,90)(56,57)(66,76).

The character table of $G^{s_{18}}$:

	10											
$\chi_{18}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{18}^{(2)}$	1	1	-1	1	1	-1	1	1	-1	-1	-1	-1
$\chi_{18}^{(3)}$	1	A	A	/A	/A	/A	A	1	/A	A	1	1
$\chi_{18}^{(4)}$	1	A	-A	/A	/A	-/A	A	1	-/A	-A	-1	-1
$\chi_{18}^{(5)}$	1	/A	/A	A	A	A	/A	1	A	/A	1	1
$\chi_{18}^{(6)}$	1	/A	-/A	A	A	-A	/A	1	-A	-/A	-1	-1
$\chi_{18}^{(7)}$	1	1	B	1	-1	-B	-1	-1	B	-B	-B	B
$\chi_{18}^{(8)}$	1	1	-B	1	-1	B	-1	-1	-B	B	B	-B
$\chi_{18}^{(9)}$	1	A	C	/A	-/A	/C	-A	-1	-/C	-C	-B	B
$\chi_{18}^{(10)}$	1	A	-C	/A	-/A	-/C	-A	-1	/C	C	B	-B
$\chi_{18}^{(11)}$	1	/A	-/C	A	-A	-C	-/A	-1	C	/C	-B	B
$\chi_{18}^{(12)}$	1	/A	/C	A	-A	C	-/A	-1	-C	-/C	B	-B

where $A = E(3) = (-1 + ER(-3))/2 = b3$; $B = -E(4) = -ER(-1) = -i$; $C = -E(12)^7$.

The generators of $G^{s_{19}}$ are:

(1, 46, 20, 78, 42, 74)(2, 6, 10, 5, 72, 73)(3, 76, 90)(4, 40, 11)(7, 26, 30, 70, 65, 85)(8, 97, 80, 77, 62, 21)(9, 37, 36, 67, 43, 92)(12, 29, 48, 82, 63, 47)(13, 22, 99, 79, 75, 41)(14, 44, 94)(15, 91, 33, 68, 39, 55)(16, 88, 31, 69, 71, 59)(17, 23, 58, 83, 64, 54)(18, 81)(19, 84)(24, 61)(25, 66, 52)(27, 100, 53, 60, 38, 98)(28, 93, 95)(32, 89, 86, 87, 96, 51)(34, 45, 49)(35, 50)(1, 2, 20, 10, 42, 72)(3, 45, 90, 34, 76, 49)(4, 40, 11)(5, 74, 73, 46, 6, 78)(7, 79, 30, 41, 65, 22)(8, 9, 80, 36, 62, 43)(12, 63, 48)(13, 85, 99, 26, 75, 70)(14, 66, 94, 25, 44, 52)(15, 91, 33, 68, 39, 55)(16, 88, 31, 69, 71, 59)(17, 64, 58)(18, 50)(19, 61)(21, 92, 97, 37, 77, 67)(23, 54, 83)(24, 84)(27, 51, 53, 89, 38, 87)(28, 93, 95)(29, 47, 82)(32, 60, 86, 98, 96, 100)(35, 81)(1, 27)(2, 86)(3, 14)(4, 28)(5, 51)(6, 87)(7, 9)(8, 75)(10, 96)(11, 95)(12, 31)(13, 80)(15, 64)(16, 63)(17, 33)(18, 19)(20, 53)(21, 79)(22, 77)(23, 68)(24, 50)(25, 34)(26, 37)(29, 69)(30, 36)(32, 72)(35, 61)(38, 42)(39, 58)(40, 93)(41, 97)(43, 65)(44, 76)(45, 66)(46, 100)(47, 88)(48, 71)(49, 52)(54, 91)(55, 83)(56, 57)(59, 82)(60, 78)(62, 99)(67, 70)(73, 89)(74, 98)(81, 84)(85, 92)(90, 94).

The representatives of conjugacy classes of $G^{s_{19}}$ are:

(1), (1,2,20,10,42,72)(3,45,90,34,76,49)(4,40,11)(5,74,73,46,6,78)(7,79,30,41,65,22)(8,9,80,36,62,43)(12,63,48)(13,85,99,26,75,70)(14,66,94,25,44,52)(15,91,33,68,39,55)(16,88,31,69,71,59)(17,64,58)(18,50)(19,61)(21,92,97,37,77,67)(23,54,83)(24,84)(27,51,53,89,38,87)(28,93,95)(29,47,82)(32,60,86,98,96,100)(35,81),

(1,6,42,73,20,5)(2,78,72,46,10,74)(3,49,76,34,90,45)(4,11,40)(7,75,65,99,30,13)(8,37,62,92,80,67)(9,77,43,97,36,21)(12,47,63,82,48,29)(14,52,44,25,94,66)(15,33,39)(16,31,71)(17,54,64,83,58,23)(18,35)(19,24)(22,26,41,85,79,70)(27,32,38,96,53,86)(28,95,93)(50,81)(51,60,87,100,89,98)(55,91,68)(59,88,69)(61,84),

(1,10)(2,42)(3,34)(5,46)(6,74)(7,41)(8,36)(9,62)(13,26)(14,25)(15,68)(16,69)(18,50)(19,61)(20,72)(21,37)(22,30)(24,84)(27,89)(31,59)(32,98)(33,55)(35,81)(38,51)(39,91)(43,80)(44,66)(45,76)(49,90)(52,94)(53,87)(60,96)(65,79)(67,97)(70,99)(71,88)(73,78)(75,85)(77,92)(86,100),

(1,20,42)(2,10,72)(3,90,76)(4,11,40)(5,73,6)(7,30,65)(8,80,62)(9,36,43)(12,48,63)(13,99,75)(14,94,44)(15,33,39)(16,31,71)(17,58,64)(21,97,77)(22,79,41)(23,83,54)(25,52,66)(26,70,85)(27,53,38)(28,95,93)(29,82,47)(32,86,96)(34,49,45)(37,67,92)(46,78,74)(51,89,87)(55,91,68)(59,88,69)(60,98,100),

(1,27)(2,86)(3,14)(4,28)(5,51)(6,87)(7,9)(8,75)(10,96)(11,95)(12,31)(13,80)(15,64)(16,63)(17,33)(18,19)(20,53)(21,79)(22,77)(23,68)(24,50)(25,34)(26,37)(29,69)(30,36)(32,72)(35,61)(38,42)(39,58)(40,93)(41,97)(43,65)(44,76)(45,66)(46,100)(47,88)(48,71)(49,52)(54,91)(55,83)(56,57)(59,82)(60,78)(62,99)(67,70)(73,89)(74,98)(81,84)(85,92)(90,94),

(1,32,46,89,20,86,78,87,42,96,74,51)(2,27,6,100,10,53,5,60,72,38,73,98)(3,52,76,25,90,66)(4,95,40,28,11,93)(7,77,26,62,30,21,70,8,65,97,85,80)(9,75,37,41,36,13,67,22,43,99,92,79)(12,71,29,59,48,16,82,88,63,31,47,69)(14,49,44,34,94,45)(15,83,91,64,33,54,68,17,39,23,55,58)(18,24,81,61)(19,35,84,50)(56,57),

(1,38,20,27,42,53)(2,32,10,86,72,96)(3,44,90,14,76,94)(4,93,11,28,40,95)(5,87,73,51,6,89)(7,43,30,9,65,36)(8,99,80,75,62,13)(12,16,48,31,63,71)(15,58,33,64,39,17)(18,19)(21,22,97,79,77,41)(23,91,83,68,54,55)(24,50)(25,45,52,34,66,49)(26,92,70,37,85,67)(29,88,82,69,47,59)(35,61)(46,98,78,100,74,60)(56,57)(81,84),

(1,42,20)(2,72,10)(3,76,90)(4,40,11)(5,6,73)(7,65,30)(8,62,80)(9,43,36)(12,63,48)(13,75,99)(14,44,94)(15,39,33)(16,71,31)(17,64,58)(21,77,97)(22,41,79)(23,54,83)(25,66,52)(26,85,70)(27,38,53)(28,93,95)(29,47,82)(32,96,86)(345,49)(37,92,67)(46,74,78)(51,87,89)(55,68,91)(59,69,88)(60,100,98),

(1,46,20,78,42,74)(2,6,10,5,72,73)(3,76,90)(4,40,11)(7,26,30,70,65,85)(8,97,80,77,62,21)(9,37,36,67,43,92)(12,29,48,82,63,47)(13,22,99,79,75,41)(14,44,94)(15,91,33,68,39,55)(16,88,31,69,71,59)(17,23,58,83,64,54)(18,81)(19,84)(24,61)(25,66,52)(27,100,53,60,38,98)(28,93,95)(32,89,86,87,96,51)(34,45,49)(35,50),

(1,51,74,96,42,87,78,86,20,89,46,32)(2,98,73,38,72,60,5,53,10,100,6,27)(3,66,90,25,76,52)(4,93,11,28,40,95)(7,80,85,97,65,8,70,21,30,62,26,77)(9,79,92,99,43,22,67,13,36,41,37,75)(12,69,47,31,63,88,82,16,48,59,29,71)(14,45,94,34,44,49)(15,58,55,23,39,17,68,54,33,64,91,83)(18,61,81,24)(19,50,84,35)(56,57),

(1,53,42,27,20,38)(2,96,72,86,10,32)(3,94,76,14,90,44)(4,95,40,28,11,93)(5,89,6,51,73,87)(7,36,65,9,30,43)(8,13,62,75,80,99)(12,71,63,31,48,16)(15,17,39,64,33,58)(18,19)(21,41,77,79,97,22)(23,55,54,68,83,91)(24,50)(25,49,66,34,52,45)(26,67,85,37,70,92)(29,59,47,69,82,88)(35,61)(46,60,74,100,78,98)(56,57)(81,84),

(1,74,42,78,20,46)(2,73,72,5,10,6)(3,90,76)(4,11,40)(7,85,65,70,30,26)(8,21,62,77,80,97)(9,92,43,67,36,37)(12,47,63,82,48,29)(13,41,75,79,99,22)(14,94,44)(15,55,39,68,33,91)(16,59,71,69,31,88)(17,54,64,83,58,23)(18,81)(19,84)(24,61)(25,52,66)(27,98,38,60,53,100)(28,95,93)(32,51,96,87,86,89)(34,49,45)(35,50),

(1,78)(2,5)(6,72)(7,70)(8,77)(9,67)(10,73)(12,82)(13,79)(15,68)(16,69)(17,83)(18,81)(19,84)(20,74)(21,80)(22,75)(23,64)(24,61)(26,65)(27,60)(29,63)(30,85)(31,59)(32,87)(33,55)(35,50)(36,92)(37,43)(38,100)(39,91)(41,99)(42,46)(47,48)(51,86)(53,98)(54,58)(62,97)(71,88)(89,96),

(1,89,78,96)(2,100,5,38)(3,25)(4,28)(6,53,72,98)(7,62,70,97)(8,85,77,30)(9,41,67,99)(10,60,73,27)(11,95)(12,59,82,31)(13,43,79,37)(14,34)(15,64,68,23)(16,63,69,29)(17,55,83,33)(18,61,81,24)(19,50,84,35)(20,87,74,32)(21,65,80,26)(22,92,75,36)(39,58,91,54)(40,93)(42,51,46,86)(44,45)(47,71,48,88)(49,94)(52,90)(56,57)(66,76).

The character table of $G^{s_{19}}$:

	10														
$\chi_{19}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{19}^{(2)}$	1	-1	-1	-1	1	-1	1	-1	1	1	1	-1	1	1	1
$\chi_{19}^{(3)}$	1	-1	-1	-1	1	1	-1	1	1	1	-1	1	1	1	-1
$\chi_{19}^{(4)}$	1	1	1	1	1	-1	-1	-1	1	1	-1	-1	1	1	-1
$\chi_{19}^{(5)}$	1	A	/A	-1	-/A	-1	-/A	A	-A	-A	-A	/A	-/A	1	1
$\chi_{19}^{(6)}$	1	/A	A	-1	-A	-1	-A	/A	-/A	-/A	-/A	A	-A	1	1
$\chi_{19}^{(7)}$	1	A	/A	-1	-/A	1	/A	-A	-A	-A	A	-/A	-/A	1	-1
$\chi_{19}^{(8)}$	1	/A	A	-1	-A	1	A	-/A	-/A	-/A	/A	-A	-A	1	-1
$\chi_{19}^{(9)}$	1	-/A	-A	1	-A	-1	A	/A	-/A	-/A	/A	A	-A	1	-1
$\chi_{19}^{(10)}$	1	-A	-/A	1	-/A	-1	/A	A	-A	-A	A	/A	-/A	1	-1
$\chi_{19}^{(11)}$	1	-/A	-A	1	-A	1	-A	-/A	-/A	-/A	-/A	-A	-A	1	1
$\chi_{19}^{(12)}$	1	-A	-/A	1	-/A	1	-/A	-A	-A	-A	-A	-/A	-/A	1	1
$\chi_{19}^{(13)}$	2	.	.	.	2	.	.	.	2	-2	.	.	-2	-2	.
$\chi_{19}^{(14)}$	2	.	.	.	B	.	.	.	/B	-/B	.	.	-B	-2	.
$\chi_{19}^{(15)}$	2	.	.	.	/B	.	.	.	B	-B	.	.	-/B	-2	.

where $A = -E(3) = (1-ER(-3))/2 = -b3$; $B = 2^*E(3)^2 = -1-ER(-3) = -1-i3$.

The generators of $G^{s_{20}}$ are:

(1, 53, 42, 27, 20, 38)(2, 96, 72, 86, 10, 32)(3, 94, 76, 14, 90, 44) (4, 95, 40, 28, 11, 93)(5, 89, 6, 51, 73, 87)(7, 36, 65, 9, 30, 43) (8, 13, 62, 75, 80, 99)(12, 71, 63, 31, 48, 16)(15, 17, 39, 64, 33, 58) (18, 19)(21, 41, 77, 79, 97, 22)(23, 55, 54, 68, 83, 91)(24, 50) (25, 49, 66, 34, 52, 45)(26, 67, 85, 37, 70, 92)(29, 59, 47, 69, 82, 88) (35, 61)(46, 60, 74, 100, 78, 98)(56, 57)(81, 84), (2, 73)(4, 78)(5, 72)(6, 10)(7, 25)(8, 23)(9, 34)(11, 74)(12, 33) (13, 55)(15, 63)(16, 64)(17, 31)(18, 57)(19, 56)(21, 59)(22, 29) (24, 61)(28, 60)(30, 52)(32, 51)(35, 50)(36, 49)(39, 48)(40, 46) (41, 47)(43, 45)(54, 62)(58, 71)(65, 66)(68, 75)(69, 77)(79, 82) (80, 83)(86, 89)(87, 96)(88, 97)(91, 99)(93, 100)(95, 98), (1, 4)(2, 6)(5, 10)(8, 16)(11, 20)(12, 13)(15, 22)(17, 21)(23, 69) (24, 61)(25, 70)(26, 66)(27, 28)(29, 68)(31, 80)(32, 89)(33, 79) (34, 67)(35, 50)(37, 45)(38, 93)(39, 41)(40, 42)(47, 91)(48, 99) (49, 92)(51, 96)(52, 85)(53, 95)(54, 88)(55, 82)(56, 84)(57, 81) (58, 97)(59, 83)(62, 71)(63, 75)(64, 77)(72, 73)(86, 87).

The representatives of conjugacy classes of $G^{s_{20}}$ are:

(1), (2,73)(4,78)(5,72)(6,10)(7,25)(8,23)(9,34)(11,74)(12,33)(13,55)(15,63)(16,64)(17,31)(18,57)(19,56)(21,59)(22, 29)(24,61)(28,60)(30,52)(32,51)(35,50)(36, 49)(39,48)(40,46)(41,47)(43,45)(54,62)(58,71)(65,66)(68,75)(69,77)(79,82)(80, 83)(86,89)(87,96)(88,97)(91,99)(93,100)(95,98),

(1,4,78)(2,72,10)(5,73,6)(7,70,25)(8,69,64)(9,67,34)(11,74,20)(12,79,55)(13,82, 33)(15,75,29)(16,77,23)(17,80,59)(18,81,57)(19,84,56)(21,83,31)(22,68,63)(26,66, 65)(27,28,60)(30,85,52)(32,96,86)(36,92,49)(37,45,43)(38,93,100)(39,99,47)(40, 46,42)(41,91,48)(51,89,87)(53,95,98)(54,71,97)(58,62,88),

(1,11,46)(3,90,76)(4,74,42)(5,6,73)(7,85,66)(8,59,58)(9,92,45)(12,41,68)(13,47, 15)(14,94,44)(16,21,54)(17,62,69)(18,81,57)(19,84,56)(20,40,78)(22,55,48)(23,31, 97)(25,30,26)(27,95,100)(28,98,38)(29,33,99)(34,36,37)(39,75,82)(43,67,49)(51, 87,89)(52,65,70)(53,93,60)(63,79,91)(64,80,88)(71,77,83),

(1,11,42,4,20,40)(2,5,72,6,10,73)(3,90,76)(7,30,65)(8,31,62,16,80,71)(9,36,43)(12, 99,63,13,48,75)(14,94,44)(15,79, 39,22,33,41)(17,97,64,21,58,77)(23,59,54,69,83, 88)(24,61)(25,85,66,70,52,26)(27,95,38,28,53,93)(29,55,47,68,82,91)(32,87,96,89, 86,51)(34,92,45,67,49,37)(35,50)(46,78,74)(56,84)(57,81)(60,98,100),

(1,20,42)(2,10,72)(3,90,76)(4,11,40)(5,73,6)(7,30,65)(8,80,62)(9,36,43)(12,48, 63)(13,99,75)(14,94,44)(15,33,39)(16,31,71)(17,58,64)(21,97,77)(22,79,41)(23,83, 54)(25,52,66)(26,70,85)(27,53,38)(28,95,93)(29,82,47)(32,86,96)(34,49,45)(37,67, 92)(46,78,74)(51,89,87)(55,91,68)(59,88,69)(60,98,100),

(1,27)(2,86)(3,14)(4,28)(5,51)(6,87)(7,9)(8,75)(10,96)(11,95)(12,31)(13,80)(15, 64)(16,63)(17,33)(18,19)(20,53)(21,79)(22,77)(23,68)(24,50)(25,34)(26,37)(29, 69)(30,36)(32,72)(35,61)(38,42)(39,58)(40,93)(41,97)(43,65)(44,76)

(45,66)(46, 100)(47,88)(48,71)(49,52)(54,91)(55,83)(56,57)(59,82)(60,78)(62,99)(67,70)(73, 89)(74,98)(81,84)(85, 92)(90,94),

(1,27)(2,89)(3,14)(4,60)(5,32)(6,96)(7,34)(8, 68)(9,25)(10,87)(11,98)(12,17)(13,83)(15,16)(18,56)(19,57)(20,53)(21,82)(22, 69)(23,75)(24,35)(26,37)(28,78)(29,77)(30,49)(31,33)(36,52)(38,42)(39,71)(40, 100)(41,88)(43,66)(44, 76)(45,65)(46,93)(47,97)(48,58)(50,61)(51,72)(54,99)(55, 80)(59,79)(62,91)(63,64)(67,70)(73,86)(74,95)(81,84)(85, 92)(90,94),

(1,28,78,27,4,60)(2,32,10,86,72,96)(3,14)(5,89,6,51,73,87)(7,67,25,9,70,34)(8,29, 64,75,69,15)(11,98,20,95,74,53)(12,21,55,31,79,83)(13,59,33,80,82,17)(16,22,23, 63,77,68)(18,84,57,19,81,56)(24,50)(26,45,65,37,66,43)(30,92,52,36, 85,49)(35, 61)(38,40,100,42,93,46)(39,62,47,58,99,88)(41,54,48,97,91,71)(44,76)(90,94),

(1,38,20,27,42,53)(2,32,10,86,72,96)(3,44,90,14,76,94)(4,93,11,28,40,95)(5,87,73, 51,6,89)(7,43,30,9,65,36)(8,99, 80,75,62,13)(12,16,48,31,63,71)(15,58,33,64,39, 17)(18,19)(21,22,97,79,77,41)(23,91,83,68,54,55)(24,50)(25,45,52, 34,66,49)(26, 92,70,37,85,67)(29,88,82,69,47,59)(35,61)(46,98,78,100,74,60)(56,57)(81,84),

(1,38,20,27,42,53)(2,51,10,89,72,87)(3,44,90,14,76,94)(4,100,11,60,40,98)(5,96,73, 32,6,86)(7,45,30,34,65,49)(8, 91,80,68,62,55)(9,66,36,25,43,52)(12,64,48,17,63, 58)(13,23,99,83,75,54)(15,71,33,16,39,31)(18,56)(19,57)(21,29,97, 82,77,47)(22, 88,79,69,41,59)(24,35)(26,92,70,37,85,67)(28,46,95,78,93,74)(50,61)(81,84),

(1,40,74)(2,10,72)(3,76,90)(4,46,20)(7,26,52)(8,88,17)(9,37,49)(11,78,42)(12,22, 91)(13,29,39)(14,44,94)(15,99, 82)(16,97,83)(18,81,57)(19,84,56)(21,23,71)(25,65, 85)(27,93,98)(28,100,53)(30,70,66)(31,77,54)(32,86,96)(33,75, 47)(34,43,92)(36, 67,45)(38,95,60)(41,55,63)(48,79,68)(58,80,69)(59,64,62),

(1,40,20,4,42,11)(2,73,10,6,72,5)(3,76,90)(7,65,30)(8,71,80,16,62,31)(9,43,36)(12, 75,48,13,63,99)(14,44,94)(15, 41,33,22,39,79)(17,77,58,21,64,97)(23,88,83,69,54, 59)(24,61)(25,26,52,70,66,85)(27,93,53,28,38,95)(29,91,82,68,47, 55)(32,51,86,89, 96,87)(34,37,49,67,45,92)(35,50)(46,74,78)(56,84)(57,81)(60,100,98),

(1,42,20)(2,72,10)(3,76,90)(4,40,11)(5,6,73)(7,65,30)(8,62,80)(9,43,36)(12,63, 48)(13,75,99)(14,44,94)(15,39,33)(16,71,31)(17,64,58)(21,77,97)(22,41,79)(23,54, 83)(25,66,52)(26,85,70)(27,38,53)(28,93,95)(29,47,82)(32,96,86)(34, 45,49)(37,92, 67)(46,74,78)(51,87,89)(55,68,91)(59,69,88)(60,100,98),

(1,53,42,27,20,38)(2,87,72,89,10,51)(3,94,76,14,90,44)(4,98,40,60,11,100)(5,86,6, 32,73,96)(7,49,65,34,30,45)(8, 55,62,68,80,91)(9,52,43,25,36,66)(12,58,63,17,48, 64)(13,54,75,83,99,23)(15,31,39,16,33,71)(18,56)(19,57)(21,47,77, 82,97,29)(22, 59,41,69,79,88)(24,35)(26,67,85,37,70,92)(28,74,93,78,95,46)(50,61)(81,84),

(1,53,42,27,20,38)(2,96,72,86,10,32)(3,94,76,14,90,44)(4,95,40,28,11,93)(5,89,6, 51,73,87)(7,36,65,9,30,43)(8,13, 62,75,80,99)(12,71,63,31,48,16)(15,17,39,64,33, 58)(18,19)(21,41,77,79,97,22)(23,55,54,68,83,91)(24,50)(25,49,66,34, 52,45)(26, 67,85,37,70,92)(29,59,47,69,82,88)(35,61)(46,60,74,100,78,98)(56,57)(81,84),

(1,93,74,27,40,98)(2,96,72,86,10,32)(3,44,90,14,76,94)(4,100,20,28,46,53)(5,51)(6, 87)(7,37,52,9,26,49)(8,47,17, 75,88,33)(11,60,42,95,78,38)(12,77,91,31,22,54)(13, 69,39,80,29,58)(15,62,82,64,99,59)(16,41,83,63,97,55)(18,84,57, 19,81,56)(21,68, 71,79,23,48)(24,50)(25,43,85,34,65,92)(30,67,66,36,70,45)(35,61)(73,89),

(1,95,46,27,11,100)(2,86)(3,94,76,14,90,44)(4,98,42,28,74,38)(5,87,73,51,6,89)(7, 92,66,9,85,45)(8,82,58,75,59,39)(10,96)(12,97,68,31,41,23)(13,88,15,80,47, 64)(16,79,54,63,21,91)(17,99,69,33,62,29)(18,84,57,19,81,56)(20,93,78,53, 40, 60)(22,83,48,77,55,71)(24,50)(25,36,26,34,30,37)(32,72)(35,61)(43,70,49,65,67, 52).

The character table of $G^{s_{20}}$:

	10																
$\chi_{20}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{20}^{(2)}$	1	-1	1	1	-1	1	-1	1	-1	-1	1	1	-1	1	1	-1	-1
$\chi_{20}^{(3)}$	1	-1	1	1	-1	1	1	-1	1	1	-1	1	-1	1	-1	1	1
$\chi_{20}^{(4)}$	1	1	1	1	1	1	-1	-1	-1	-1	-1	1	1	1	-1	-1	-1
$\chi_{20}^{(5)}$	1	-1	1	A	-A	A	-1	1	-1	-/A	/A	/A	-/A	/A	A	-A	-/A
$\chi_{20}^{(6)}$	1	-1	1	/A	-/A	/A	-1	1	-1	-A	A	A	-A	A	/A	-/A	-A
$\chi_{20}^{(7)}$	1	-1	1	A	-A	A	1	-1	1	/A	-/A	/A	-/A	/A	-A	A	/A
$\chi_{20}^{(8)}$	1	-1	1	/A	-/A	/A	1	-1	1	A	-A	A	-A	A	-/A	/A	A
$\chi_{20}^{(9)}$	1	1	1	A	A	A	-1	-1	-1	-/A	-/A	/A	/A	/A	-A	-A	-/A
$\chi_{20}^{(10)}$	1	1	1	/A	/A	/A	-1	-1	-1	-A	-A	A	A	A	-/A	-/A	-A
$\chi_{20}^{(11)}$	1	1	1	A	A	A	1	1	1	/A	/A	/A	/A	/A	A	A	/A
$\chi_{20}^{(12)}$	1	1	1	/A	/A	/A	1	1	1	A	A	A	A	A	/A	/A	A
$\chi_{20}^{(13)}$	2	.	-1	-1	.	2	-2	.	1	-2	.	-1	.	2	.	-2	1
$\chi_{20}^{(14)}$	2	.	-1	-1	.	2	2	.	-1	2	.	-1	.	2	.	2	-1
$\chi_{20}^{(15)}$	2	.	-1	-A	.	B	-2	.	1	-/B	.	-/A	.	/B	.	-B	/A
$\chi_{20}^{(16)}$	2	.	-1	-/A	.	/B	-2	.	1	-B	.	-A	.	B	.	-/B	A
$\chi_{20}^{(17)}$	2	.	-1	-A	.	B	2	.	-1	/B	.	-/A	.	/B	.	B	-/A
$\chi_{20}^{(18)}$	2	.	-1	-/A	.	/B	2	.	-1	B	.	-A	.	B	.	/B	-A

where $A = E(3)^2 = (-1-ER(-3))/2 = -1-b3$; $B = 2^*E(3)^2 = -1-ER(-3) = -1-i3$.

The generators of $G^{s_{21}}$ are:

(1, 5, 22, 79, 61, 90, 59, 33)(2, 88, 65, 69, 8, 13, 67, 12)(3, 49) (4, 93, 89, 92, 62, 39, 15, 44)(6, 75, 27, 16, 84, 95, 53, 56) (7, 58, 23, 11, 51, 20, 54, 72)(9, 71, 83, 87, 64, 24, 32, 14) (10, 40, 30, 48)(17, 86, 34, 77)(18, 45, 97, 41, 80, 38, 73, 37) (21, 94, 63, 42, 76, 99, 28, 36)(25, 47, 29, 35, 68, 91, 85, 100) (26, 70, 98, 55, 74, 52, 57, 78)(43, 96)(46, 81, 50, 66)(60, 82), (1, 21, 22, 63, 61, 76, 59, 28)(2, 85, 65, 25, 8, 29, 67, 68)(3, 43) (4, 52, 89, 78, 62, 70, 15, 55)(5, 94, 79, 42, 90, 99, 33, 36) (6, 95, 27, 56, 84, 75, 53, 16)(7, 38, 23, 37, 51, 45, 54, 41) (9, 71, 83, 87, 64, 24, 32, 14)(10, 40, 30, 48)(11, 18, 20, 97, 72, 80, 58, 73)(12, 91, 88, 100, 69, 47, 13, 35)(17, 86, 34, 77)(19, 31) (26, 39, 98, 44, 74, 93, 57, 92)(46, 81, 50, 66)(49, 96).

The representatives of conjugacy classes of $G^{s_{21}}$ are:

(1), (1,5,22,79,61,90,59,33)(2,88,65,69,8,13,67,12)(3,49)(4,93,89,92,62,39,15,44)(6,75,27,16,84,95,53,56)(7,58,23,11,51,20,54,72)(9,71,83,87,64,24,32,14)(10,40,30,48)(17,86,34,77)(18,45,97,41,80,38,73,37)(21,94,63,42,76,99,28,36)(25,47,29,35,68,91,85,100)(26,70,98,55,74,52,57,78)(43,96)(46,81,50,66)(60,82),
 (1,21,22,63,61,76,59,28)(2,85,65,25,8,29,67,68)(3,43)(4,52,89,78,62,70,15,55)(5,94,79,42,90,99,33,36)(6,95,27,56,84,75,53,16)(7,38,23,37,51,45,54,41)(9,71,83,87,64,24,32,14)(10,40,30,48)(11,18,20,97,72,80,58,73)(12,91,88,100,69,47,13,35)(17,86,34,77)(19,31)(26,39,98,44,74,93,57,92)(46,81,50,66)(49,96),
 (1,22,61,59)(2,65,8,67)(4,89,62,15)(5,79,90,33)(6,27,84,53)(7,23,51,54)(9,83,64,32)(10,30)(11,20,72,58)(12,88,69,13)(14,71,87,24)(16,95,56,75)(17,34)(18,97,80,73)(21,63,76,28)(25,29,68,85)(26,98,74,57)(35,91,100,47)(36,94,42,99)(37,45,41,38)(39,44,93,92)(40,48)(46,50)(52,78,70,55)(66,81)(77,86),
 (1,28,59,76,61,63,22,21)(2,68,67,29,8,25,65,85)(3,43)(4,55,15,70,62,78,89,52)(5,36,33,99,90,42,79,94)(6,16,53,75,84,56,27,95)(7,41,54,45,51,37,23,38)(9,14,32,24,64,87,83,71)(10,48,30,40)(11,73,58,80,72,97,20,18)(12,35,13,47,69,100,88,91)(17,77,34,86)(19,31)(26,92,57,93,74,44,98,39)(46,66,50,81)(49,96),
 (1,33,59,90,61,79,22,5)(2,12,67,13,8,69,65,88)(3,49)(4,44,15,39,62,92,89,93)(6,56,53,95,84,16,27,75)(7,72,54,20,51,11,23,58)(9,14,32,24,64,87,83,71)(10,48,30,40)(17,77,34,86)(18,37,73,38,80,41,97,45)(21,36,28,99,76,42,63,94)(25,100,85,91,68,35,29,47)(26,78,57,52,74,55,98,70)(43,96)(46,66,50,81)(60,82),

(1,36)(2,91)(3,96)(4,74)(5,21)(6,84)(7,80)(8,47)(11,37)(12,68)(13,29)(15,98)(16,56)(18,51)(19,31)(20,45)(22,94)(23,73)(25,69)(26,62)(27,53)(28,33)(35,67)(38,58)(39,70)(41,72)(42,61)(43,49)(44,55)(52,93)(54,97)(57,89)(59,99)(60,82)(63,79)(65,100)(75,95)(76,90)(78,92)(85,88),

(1,42)(2,47)(3,96)(4,26)(5,76)(7,18)(8,91)(9,64)(11,41)(12,25)(13,85)(14,87)(15,57)(19,31)(20,38)(21,90)(22,99)(23,97)(24,71)(28,79)(29,88)(32,83)(33,63)(35,65)(36,61)(37,72)(39,52)(43,49)(44,78)(45,58)(51,80)(54,73)(55,92)(59,94)(60,82)(62,74)(67,100)(68,69)(70,93)(89,98),

(1,59,61,22)(2,67,8,65)(4,15,62,89)(5,33,90,79)(6,53,84,27)(7,54,51,23)(9,32,64,83)(10,30)(11,58,72,20)(12,13,69,88)(14,24,87,71)(16,75,56,95)(17,34)(18,73,80,97)(21,28,76,63)(25,85,68,29)(26,57,74,98)(35,47,100,91)(36,99,42,94)(37,38,41,45)(39,92,93,44)(40,48)(46,50)(52,55,70,78)(66,81)(77,86),

(1,61)(2,8)(4,62)(5,90)(6,84)(7,51)(9,64)(11,72)(12,69)(13,88)(14,87)(15,89)(16,56)(18,80)(20,58)(21,76)(22,59)(23,54)(24,71)(25,68)(26,74)(27,53)(28,63)(29,85)(32,83)(33,79)(35,100)(36,42)(37,41)(38,45)(39,93)(44,92)(47,91)(52,70)(55,78)(57,98)(65,67)(73,97)(75,95)(94,99),

(1,63,59,21,61,28,22,76)(2,25,67,85,8,68,65,29)(3,43)(4,78,15,52,62,55,89,70)(5,42,33,94,90,36,79,99)(6,56,53,95,84,16,27,75)(7,37,54,38,51,41,23,45)(9,87,32,71,64,14,83,24)(10,48,30,40)(11,97,58,18,72,73,20,80)(12,100,13,91,69,35,88,47)(17,77,34,86)(19,31)(26,44,57,39,74,92,98,93)(46,66,50,81)(49,96),

(1,76,22,28,61,21,59,63)(2,29,65,68,8,85,67,25)(3,43)(4,70,89,55,62,52,15,78)(5,99,79,36,90,94,33,42)(6,75,27,16,84,95,53,56)(7,45,23,41,51,38,54,37)(9,24,83,14,64,71,32,87)(10,40,30,48)(11,80,20,73,72,18,58,97)(12,47,88,35,69,91,13,100)(17,86,34,77)(19,31)(26,93,98,92,74,39,57,44)(46,81,50,66)(49,96),

(1,79,59,5,61,33,22,90)(2,69,67,88,8,12,65,13)(3,49)(4,92,15,93,62,44,89,39)(6,16,53,75,84,56,27,95)(7,11,54,58,51,72,23,20)(9,87,32,71,64,14,83,24)(10,48,30,40)(17,77,34,86)(18,41,73,45,80,37,97,38)(21,42,28,94,76,36,63,99)(25,35,85,47,68,100,29,91)(26,55,57,70,74,78,98,52)(43,96)(46,66,50,81)(60,82),

(1,90,22,33,61,5,59,79)(2,13,65,12,8,88,67,69)(3,49)(4,39,89,44,62,93,15,92)(6,95,27,56,84,75,53,16)(7,20,23,72,51,58,54,11)(9,24,83,14,64,71,32,87)(10,40,30,48)(17,86,34,77)(18,38,97,37,80,45,73,41)(21,99,63,36,76,94,28,42)(25,91,29,100,68,47,85,35)(26,52,98,78,74,70,57,55)(43,96)(46,81,50,66)(60,82),

(1,94,61,99)(2,100,8,35)(3,96)(4,57,62,98)(5,63,90,28)(6,53,84,27)(7,73,51,97)(9,83,64,32)(10,30)(11,45,72,38)(12,85,69,29)(13,68,88,25)(14,71,87,24)(15,74,89,26)(16,75,56,95)(17,34)(18,54,80,23)(19,31)(20,41,58,37)(21,79,76,33)(22,42,59,36)(39,55,93,78)(40,48)(43,49)(44,52,92,70)(46,50)(47,67,91,65)(60,82)(66,81)(77,86),

(1,99,61,94)(2,35,8,100)(3,96)(4,98,62,57)(5,28,90,63)(6,27,84,53)(7,97,51,73)(9,32,64,83)(10,30)(11,38,72,45)(12,29,69,85)(13,25,88,68)(14,24,87,71)(15,26,89,74)(16,95,56,75)(17,34)(18,23,80,54)(19,31)(20,37,58,41)(21,33,76,79)(22,36,59,42)(39,78,93,55)(40,48)(43,49)(44,70,92,52)(46,50)(47,65,91,67)(60,82)(66,81)(77,86).

The character table of $G^{s_{21}}$:

	10															
$\chi_{21}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{21}^{(2)}$	1	-1	-1	1	-1	-1	1	1	1	-1	-1	-1	-1	1	1	1
$\chi_{21}^{(3)}$	1	-1	1	1	1	-1	-1	-1	1	1	1	1	-1	-1	-1	-1
$\chi_{21}^{(4)}$	1	1	-1	1	-1	1	-1	-1	1	1	-1	-1	1	1	-1	-1
$\chi_{21}^{(5)}$	1	A	A	-1	-A	-A	1	1	-1	1	-A	A	-A	A	-1	-1
$\chi_{21}^{(6)}$	1	-A	-A	-1	A	A	1	1	-1	1	A	-A	A	-A	-1	-1
$\chi_{21}^{(7)}$	1	A	-A	-1	A	-A	-1	-1	-1	1	A	-A	-A	A	1	1
$\chi_{21}^{(8)}$	1	-A	A	-1	-A	A	-1	-1	-1	1	-A	A	A	-A	1	1
$\chi_{21}^{(9)}$	1	B	B	-A	/B	/B	1	-1	A	-1	-/B	-B	-/B	-B	-A	A
$\chi_{21}^{(10)}$	1	-/B	-/B	A	-B	-B	1	-1	-A	-1	B	/B	B	/B	A	-A
$\chi_{21}^{(11)}$	1	/B	/B	A	B	B	1	-1	-A	-1	-B	-/B	-B	-/B	A	-A
$\chi_{21}^{(12)}$	1	-B	-B	-A	-/B	-/B	1	-1	A	-1	/B	B	/B	B	-A	A
$\chi_{21}^{(13)}$	1	B	-B	-A	-/B	/B	-1	1	A	-1	/B	B	-/B	-B	A	-A
$\chi_{21}^{(14)}$	1	-/B	/B	A	B	-B	-1	1	-A	-1	-B	-/B	B	/B	-A	A
$\chi_{21}^{(15)}$	1	/B	-/B	A	-B	B	-1	1	-A	-1	B	/B	-B	-/B	-A	A
$\chi_{21}^{(16)}$	1	-B	B	-A	/B	-/B	-1	1	A	-1	-/B	-B	/B	B	A	-A

where $A = -E(4) = -ER(-1) = -i$; $B = -E(8)$.

The generators of $G^{s_{22}}$ are:

(1, 42, 17, 71, 24)(2, 96, 70, 54, 25)(3, 66, 47, 41, 83) (4, 5, 26, 46, 6)(7, 68, 90, 60, 73)(8, 44, 99, 22, 97)(9, 36, 49, 34, 20)(10, 91, 84, 23, 78)(11, 12, 82, 13, 35)(14, 79, 98, 55, 92) (15, 18, 93, 32, 65)(19, 27, 58, 38, 43)(21, 77, 69, 57, 85)(28, 48, 87, 89, 86)(29, 40, 37, 72, 88)(30, 52, 62, 39, 75)(31, 61, 56, 64, 45) (33, 50, 94, 95, 67)(51,100, 59, 63, 80), (1, 4, 35, 15, 75)(2, 70, 25, 96, 54)(3, 41, 66, 83, 47)(5, 11, 18, 30, 42)(6, 13, 65, 39, 24)(8, 95, 38, 88, 49)(9, 22, 50, 27, 37) (10, 79, 48, 80, 31)(12, 93, 52, 17, 26)(14, 28, 63, 45, 78)(16, 81, 53, 76, 74)(19, 40, 20, 99, 33)(21, 85, 57, 69, 77)(23, 92, 86, 59, 64) (29, 34, 44, 67, 43)(32, 62, 71, 46, 82)(36, 97, 94, 58, 72)(51, 61, 91, 98, 87)(55, 89,100, 56, 84).

The representatives of conjugacy classes of $G^{s_{22}}$ are:

(1), (1,4,35,15,75)(2,70,25,96,54)(3,41,66,83,47)(5,11,18,30,42)(6,13,65,39,24)(8,95,38,88,49)(9,22,50,27,37)(10,79,48,80,31)(12,93,52,17,26)(14,28,63,45,78)(16,81,53,76,74)(19,40,20,99,33)(21,85,57,69,77)(23,92,86,59,64)(29,34,44,67,43)(32,62,71,46,82)(36,97,94,58,72)(51,61,91,98,87)(55,89,100,56,84),

(1,5,12,32,39)(2,54,96,25,70)(3,83,41,47,66)(4,11,93,62,24)(6,35,18,52,71)(7,68,90,60,73)(8,67,19,37,36)(9,97,95,43,40)(10,98,89,59,45)(13,15,30,17,46)(14,48,51,56,23)(16,81,53,76,74)(20,22,94,38,29)(26,82,65,75,42)(27,72,49,44,33)(28,80,61,84,92)(31,91,55,86,63)(34,99,50,58,88)(64,78,79,87,100),

(1,6,82,93,30)(2,96,70,54,25)(3,47,83,66,41)(4,13,32,52,42)(5,35,65,62,17)(7,73,60,90,68)(8,94,27,40,34)(9,99,67,38,72)(10,14,86,100,61)(11,15,39,71,26)(12,18,75,24,46)(16,81,53,76,74)(19,29,49,97,50)(20,44,95,58,37)(21,57,77,85,69)(22,33,43,88,36)(23,55,87,80,45)(28,59,56,91,79)(31,78,92,89,51)(48,63,64,84,98),

(1,11,52,46,65)(3,47,83,66,41)(4,18,17,82,39)(5,93,71,13,75)(6,15,42,12,62)(7,68,90,60,73)(8,43,20,50,72)(9,94,88,44,19)(10,87,56,92,63)(14,80,91,89,64)(16,53,74,81,76)(21,85,57,69,77)(22,58,49,67,40)(23,28,31,98,100)(24,35,30,26,32)(27,36,95,29,99)(33,37,97,38,34)(45,79,51,84,86)(48,61,55,59,78),

(1,12,39,5,32)(2,96,70,54,25)(3,41,66,83,47)(4,93,24,11,62)(6,18,71,35,52)(7,90,73,68,60)(8,19,36,67,37)(9,95,40,97,43)(10,89,45,98,59)(13,30,46,15,17)(14,51,23,48,56)(16,53,74,81,76)(20,94,29,22,38)(26,65,42,82,75)(27,49,33,72,44)(28,61,92,80,84)(31,55,63,91,86)(34,50,88,99,58)(64,79,100,78,87),

(1,13,62,26,18)(2,54,96,25,70)(4,65,71,12,30)(5,15,24,82,52)(6,32,17,11,75)(7,73,60,90,68)(8,58,9,33,29)(10,28,64,55,51)(14,59,84,87,31)(16,53,74,81,76)(19,34,95,72,22)(20,67,88,97,27)(21,69,85,77,57)(23,89,61,79,63)(35,39,46,93,42)(36,50,40,44,38)(37,99,43,49,94)(45,92,100,91,48)(56,98,80,78,86),

(1,15,4,75,35)(2,96,70,54,25)(3,83,41,47,66)(5,30,11,42,18)(6,39,13,24,65)(8,88,95,49,38)(9,27,22,37,50)(10,80,79,31,48)(12,17,93,26,52)(14,45,28,78,63)(16,76,81,74,53)(19,99,40,33,20)(21,69,85,77,57)(23,59,92,64,86)(29,67,34,43,44)(32,46,62,82,71)(36,58,97,72,94)(51,98,61,87,91)(55,56,89,84,100),
 (1,17,24,42,71)(2,70,25,96,54)(3,47,83,66,41)(4,26,6,5,46)(7,90,73,68,60)(8,99,97,44,22)(9,49,20,36,34)(10,84,78,91,23)(11,82,35,12,13)(14,98,92,79,55)(15,93,65,18,32)(19,58,43,27,38)(21,69,85,77,57)(28,87,86,48,89)(29,37,88,40,72)(30,62,75,52,39)(31,56,45,61,64)(33,94,67,50,95)(51,59,80,100,63),
 (1,18,26,62,13)(2,70,25,96,54)(4,30,12,71,65)(5,52,82,24,15)(6,75,11,17,32)(7,68,90,60,73)(8,29,33,9,58)(10,51,55,64,28)(14,31,87,84,59)(16,76,81,74,53)(19,22,72,95,34)(20,27,97,88,67)(21,57,77,85,69)(23,63,79,61,89)(35,42,93,46,39)(36,38,44,40,50)(37,94,49,43,99)(45,48,91,100,92)(56,86,78,80,98),
 (1,24,71,17,42)(2,25,54,70,96)(3,83,41,47,66)(4,6,46,26,5)(7,73,60,90,68)(8,97,22,99,44)(9,20,34,49,36)(10,78,23,84,91)(11,35,13,82,12)(14,92,55,98,79)(15,65,32,93,18)(19,43,38,58,27)(21,85,57,69,77)(28,86,89,87,48)(29,88,72,37,40)(30,75,39,62,52)(31,45,64,56,61)(33,67,95,94,50)(51,80,63,59,100),
 (1,26,13,18,62)(2,25,54,70,96)(4,12,65,30,71)(5,82,15,52,24)(6,11,32,75,17)(7,90,73,68,60)(8,33,58,29,9)(10,55,28,51,64)(14,87,59,31,84)(16,81,53,76,74)(19,72,34,22,95)(20,97,67,27,88)(21,77,69,57,85)(23,79,89,63,61)(35,93,39,42,46)(36,44,50,38,40)(37,49,99,94,43)(45,91,92,48,100)(56,78,98,86,80),
 (1,30,93,82,6)(2,25,54,70,96)(3,41,66,83,47)(4,42,52,32,13)(5,17,62,65,35)(7,68,90,60,73)(8,34,40,27,94)(9,72,38,67,99)(10,61,100,86,14)(11,26,71,39,15)(12,46,24,75,18)(16,74,76,53,81)(19,50,97,49,29)(20,37,58,95,44)(21,69,85,77,57)(22,36,88,43,33)(23,45,80,87,55)(28,79,91,56,59)(31,51,89,92,78)(48,98,84,64,63),
 (1,32,5,39,12)(2,25,54,70,96)(3,47,83,66,41)(4,62,11,24,93)(6,52,35,71,18)(7,60,68,73,90)(8,37,67,36,19)(9,43,97,40,95)(10,59,98,45,89)(13,17,15,46,30)(14,56,48,23,51)(16,76,81,74,53)(20,38,22,29,94)(26,75,82,42,65)(27,44,72,33,49)(28,84,80,92,61)(31,86,91,63,55)(34,58,99,88,50)(64,87,78,100,79),
 (1,35,75,4,15)(2,25,54,70,96)(3,66,47,41,83)(5,18,42,11,30)(6,65,24,13,39)(8,38,49,95,88)(9,50,37,22,27)(10,48,31,79,80)(12,52,26,93,17)(14,63,78,28,45)(16,53,74,81,76)(19,20,33,40,99)(21,57,77,85,69)(23,86,64,92,59)(29,44,43,34,67)(32,71,82,62,46)(36,94,72,97,58)(51,91,87,61,98)(55,100,84,89,56),
 (1,39,32,12,5)(2,70,25,96,54)(3,66,47,41,83)(4,24,62,93,11)(6,71,52,18,35)(7,73,60,90,68)(8,36,37,19,67)(9,40,43,95,97)(10,45,59,89,98)(13,46,17,30,15)(14,23,56,51,48)(16,74,76,53,81)(20,29,38,94,22)(26,42,75,65,82)(27,33,44,49,72)(28,92,84,61,80)(31,63,86,55,91)(34,88,58,50,99)(64,100,87,79,78),
 (1,42,17,71,24)(2,96,70,54,25)(3,66,47,41,83)(4,5,26,46,6)(7,68,90,60,73)(8,44,99,22,97)(9,36,49,34,20)(10,91,84,23,78)(11,12,82,13,35)(14,79,98,55,92)(15,18,93,32,65)(19,27,58,38,43)(21,77,69,57,85)(28,48,87,89,86)(29,40,37,72,88)(30,52,62,39,75)(31,61,56,64,45)(33,50,94,95,67)(51,100,59,63,80),
 (1,46,11,65,52)(3,66,47,41,83)(4,82,18,39,17)(5,13,93,75,71)(6,12,15,62,42)(7,60,68,73,90)(8,50,43,72,20)(9,44,94,19,88)(10,92,87,63,56)(14,89,80,64,91)(16,81,53,76,74)(21,69,85,77,57)(22,67,58,40,49)(23,98,28,100,31)(24,26,35,32,30)(27,29,36,99,95)(33,38,37,34,97)(45,84,79,86,51)(48,59,61,78,55),
 (1,52,65,11,46)(3,83,41,47,66)(4,17,39,18,82)(5,71,75,93,13)(6,42,62,15,12)(7,90,73,68,60)(8,20,72,43,50)(9,88,19,94,44)(10,56,63,87,92)(14,91,64,80,89)(16,74,76,53,81)(21,57,77,85,69)(22,49,40,58,67)(23,31,100,28,98)(24,30,32,35,26)(27,95,99,36,29)(33,97,34,37,38)(45,51,86,79,84)(48,55,78,61,59),
 (1,62,18,13,26)(2,96,70,54,25)(4,71,30,65,12)(5,24,52,15,82)(6,17,75,32,11)(7,60,68,73,90)(8,9,29,58,33)(10,64,51,28,55)(14,84,31,59,87)(16,74,76,53,81)(19,95,22,34,72)(20,88,27,67,97)(21,85,57,69,77)(23,61,63,89,79)(35,46,42,39,93)(36,40,38,50,44)(37,43,94,99,49)(45,100,48,92,91)(56,80,86,98,78),
 (1,65,46,52,11)(3,41,66,83,47)(4,39,82,17,18)(5,75,13,71,93)(6,62,12,42,15)(7,73,60,90,68)(8,72,50,20,43)(9,19,44,88,94)(10,63,92,56,87)(14,64,89,91,80)(16,76,81,74,53)(21,77,69,57,85)(22,40,67,49,58)(23,100,98,31,28)(24,32,26,30,35)(27,99,29,95,36)(33,34,38,97,37)(45,86,84,51,79)(48,78,59,55,61),
 (1,71,42,24,17)(2,54,96,25,70)(3,41,66,83,47)(4,46,5,6,26)(7,60,68,73,90)(8,22,44,97,99)(9,34,36,20,49)(10,23,91,78,84)(11,13,12,35,82)(14,55,79,92,98)(15,32,18,65,93)(19,38,27,43,58)(21,57,77,85,69)(28,89,48,86,87)(29,72,40,88,37)(30,39,52,75,62)(31,64,61,45,56)(33,95,50,67,94)(51,63,100,80,59),

(1,75,15,35,4)(2,54,96,25,70)(3,47,83,66,41)(5,42,30,18,11)(6,24,39,65,13)(8,49,88,38,95)(9,37,27,50,22)(10,31,80,48,79)(12,26,17,52,93)(14,78,45,63,28)(16,74,76,53,81)(19,33,99,20,40)(21,77,69,57,85)(23,64,59,86,92)(29,43,67,44,34)(32,82,46,71,62)(36,72,58,94,97)(51,87,98,91,61)(55,84,56,100,89),
 (1,82,30,6,93)(2,70,25,96,54)(3,83,41,47,66)(4,32,42,13,52)(5,65,17,35,62)(7,60,68,73,90)(8,27,34,94,40)(9,67,72,99,38)(10,86,61,14,100)(11,39,26,15,71)(12,75,46,18,24)(16,53,74,81,76)(19,49,50,29,97)(20,95,37,44,58)(21,77,69,57,85)(22,43,36,33,88)(23,87,45,55,80)(28,56,79,59,91)(31,92,51,78,89)(48,64,98,63,84),
 (1,93,6,30,82)(2,54,96,25,70)(3,66,47,41,83)(4,52,13,42,32)(5,62,35,17,65)(7,90,73,68,60)(8,40,94,34,27)(9,38,99,72,67)(10,100,14,61,86)(11,71,15,26,39)(12,24,18,46,75)(16,76,81,74,53)(19,97,29,50,49)(20,58,44,37,95)(21,85,57,69,77)(22,88,33,36,43)(23,80,55,45,87)(28,91,59,79,56)(31,89,78,51,92)(48,84,63,98,64).

The character table of $G^{s_{22}}$:

	10										20														
$\chi_{22}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
$\chi_{22}^{(2)}$	1	1	A	/A	A	B	/A	1	B	A	/A	B	A	/B	1	/A	A	/B	B	/B	/A	/B	1	/B	B
$\chi_{22}^{(3)}$	1	1	B	/B	B	/A	/B	1	/A	B	/B	/A	B	A	1	/B	B	A	/A	A	/B	A	1	A	/A
$\chi_{22}^{(4)}$	1	1	/B	B	/B	A	B	1	A	/B	B	A	/B	/A	1	B	/B	/A	A	/A	B	/A	1	/A	A
$\chi_{22}^{(5)}$	1	1	/A	A	/A	/B	A	1	/B	/A	A	/B	/A	B	1	A	/A	B	/B	B	A	B	1	B	/B
$\chi_{22}^{(6)}$	1	A	1	B	A	1	/B	/B	/B	B	A	/A	/B	1	B	1	/A	/B	B	A	/A	B	/A	/A	A
$\chi_{22}^{(7)}$	1	B	1	/A	B	1	A	A	A	/A	B	/B	A	1	/A	1	/B	A	/A	B	/B	/A	/B	/B	B
$\chi_{22}^{(8)}$	1	/B	1	A	/B	1	/A	/A	/A	A	/B	B	/A	1	A	1	B	/A	A	/B	B	A	B	B	/B
$\chi_{22}^{(9)}$	1	/A	1	/B	/A	1	B	B	B	/B	/A	A	B	1	/B	1	A	B	/B	/A	A	/B	A	A	/A
$\chi_{22}^{(10)}$	1	A	A	A	B	B	B	/B	1	/B	1	A	/A	/B	B	/A	1	A	/A	/A	/B	1	/A	B	/B
$\chi_{22}^{(11)}$	1	B	B	B	/A	/A	/A	A	1	A	1	B	/B	A	/A	/B	1	B	/B	/B	A	1	/B	/A	A
$\chi_{22}^{(12)}$	1	/B	/B	/B	A	A	A	/A	1	/A	1	/B	B	/A	A	B	1	/B	B	B	/A	1	B	A	/A
$\chi_{22}^{(13)}$	1	/A	/A	/A	/B	/B	/B	B	1	B	1	/A	A	B	/B	A	1	/A	A	A	B	1	A	/B	B
$\chi_{22}^{(14)}$	1	A	B	1	/B	/A	A	/B	B	/A	/A	/B	1	A	B	/B	A	/A	A	B	B	/B	/A	1	1
$\chi_{22}^{(15)}$	1	B	/A	1	A	/B	B	A	/A	/B	/B	A	1	B	/A	A	B	/B	B	/A	/A	A	/B	1	1
$\chi_{22}^{(16)}$	1	/B	A	1	/A	B	/B	/A	A	B	B	/A	1	/B	A	/A	/B	B	/B	A	A	/A	B	1	1
$\chi_{22}^{(17)}$	1	/A	/B	1	B	A	/A	B	/B	A	A	B	1	/A	/B	B	/A	A	/A	/B	/B	B	A	1	1
$\chi_{22}^{(18)}$	1	A	/B	/A	/A	A	1	/B	/A	1	/B	1	A	/A	B	B	B	B	/B	1	A	A	/A	/B	B
$\chi_{22}^{(19)}$	1	B	A	/B	/B	B	1	A	/B	1	A	1	B	/B	/A	/A	/A	/A	A	1	B	B	/B	A	/A
$\chi_{22}^{(20)}$	1	/B	/A	B	B	/B	1	/A	B	1	/A	1	/B	B	A	A	A	A	/A	1	/B	/B	B	/A	A
$\chi_{22}^{(21)}$	1	/A	B	A	A	/A	1	B	A	1	B	1	/A	A	/B	/B	/B	/B	B	1	/A	/A	A	B	/B
$\chi_{22}^{(22)}$	1	A	/A	/B	1	/B	/A	/B	A	A	B	B	B	B	B	A	/B	1	1	/B	1	/A	/A	A	/A
$\chi_{22}^{(23)}$	1	B	/B	A	1	A	/B	A	B	B	/A	/A	/A	/A	B	A	1	1	A	1	/B	/B	B	/B	B
$\chi_{22}^{(24)}$	1	/B	B	/A	1	/A	B	/A	/B	/B	A	A	A	A	/B	/A	1	1	/A	1	B	B	/B	B	B
$\chi_{22}^{(25)}$	1	/A	A	B	1	B	A	B	/A	/A	/B	/B	/B	/B	/B	/A	B	1	1	B	1	A	A	/A	A

where $A = E(5)^4$; $B = E(5)^3$.

The generators of $G^{s_{23}}$ are:

(1, 44, 84, 95, 20, 57, 68, 28, 92, 90, 52)(2, 26, 43, 23, 94, 3, 50, 16, 100, 21, 33)(4, 99, 83, 30, 15, 69, 93, 24, 39, 5, 75)(6, 72, 22, 34, 89, 98, 53, 66, 47, 77, 40)(7, 42, 76, 37, 19, 88, 17, 27, 45, 96, 80)(8, 49, 71, 29, 14, 79, 85, 25, 48, 54, 62)(9, 64, 91, 31, 63, 10, 87, 61, 38, 56, 51)(11, 65, 46, 32, 67, 13, 82, 70, 35, 73, 81)(12, 58, 60, 36, 86, 74, 18, 78, 41, 97, 59)

The representatives of conjugacy classes of $G^{s_{23}}$ are:

(1), (1,20,92,44,57,90,84,68,52,95,28)(2,94,100,26,3,21,43,50,33,23,16)(4,15,39,99,69,5,83,93,75,30,24)(6,89,47,72,98,77,22,53,40,34,66)(7,19,45,42,88,96,76,17,80,37,27)(8,14,48,49,79,54,71,85,62,29,25)(9,63,38,64,10,56,91,87,51,31,61)(11,67,35,65,13,73,46,82,81,32,70)(12,86,41,58,74,97,60,18,59,36,78),

(1,28,95,52,68,84,90,57,44,92,20)(2,16,23,33,50,43,21,3,26,100,94)(4,24,30,75,93,83,5,69,99,39,15)(6,66,34,40,53,22,77,98,72,47,89)(7,27,37,80,17,76,96,88,42,45,19)(8,25,29,62,85,71,54,79,49,48,14)(9,61,31,51,87,91,56,10,64,38,63)(11,70,32,81,82,46,73,13,65,35,67)(12,78,36,59,18,60,97,74,58,41,86),
 (1,44,84,95,20,57,68,28,92,90,52)(2,26,43,23,94,3,50,16,100,21,33)(4,99,83,30,15,69,93,24,39,5,75)(6,72,22,34,89,98,53,66,47,77,40)(7,42,76,37,19,88,17,27,45,96,80)(8,49,71,29,14,79,85,25,48,54,62)(9,64,91,31,63,10,87,61,38,56,51)(11,65,46,32,67,13,82,70,35,73,81)(12,58,60,36,86,74,18,78,41,97,59),
 (1,52,90,92,28,68,57,20,95,84,44)(2,33,21,100,16,50,3,94,23,43,26)(4,75,5,39,24,93,69,15,30,83,99)(6,40,77,47,66,53,98,89,34,22,72)(7,80,96,45,27,17,88,19,37,76,42)(8,62,54,48,25,85,79,14,29,71,49)(9,51,56,38,61,87,10,63,31,91,64)(11,81,73,35,70,82,13,67,32,46,65)(12,59,97,41,78,18,74,86,36,60,58),
 (1,57,52,20,90,95,92,84,28,44,68)(2,3,33,94,21,23,100,43,16,26,50)(4,69,75,15,5,30,39,83,24,99,93)(6,98,40,89,77,34,47,22,66,72,53)(7,88,80,19,96,37,45,76,27,42,17)(8,79,62,14,54,29,48,71,25,49,85)(9,10,51,63,56,31,38,91,61,64,87)(11,13,81,67,73,32,35,46,70,65,82)(12,74,59,86,97,36,41,60,78,58,18),
 (1,68,44,28,84,92,95,90,20,52,57)(2,50,26,16,43,100,23,21,94,33,3)(4,93,99,24,83,39,30,5,15,75,69)(6,53,72,66,22,47,34,77,89,40,98)(7,17,42,27,76,45,37,96,19,80,88)(8,85,49,25,71,48,29,54,14,62,79)(9,87,64,61,91,38,31,56,63,51,10)(11,82,65,70,46,35,32,73,67,81,13)(12,18,58,78,60,41,36,97,86,59,74),
 (1,84,20,68,92,52,44,95,57,28,90)(2,43,94,50,100,33,26,23,3,16,21)(4,83,15,93,39,75,99,30,69,24,5)(6,22,89,53,47,40,72,34,98,66,77)(7,76,19,17,45,80,42,37,88,27,96)(8,71,14,85,48,62,49,29,79,25,54)(9,91,63,87,38,51,64,31,10,61,56)(11,46,67,82,35,81,65,32,13,70,73)(12,60,86,18,41,59,58,36,74,78,97),
 (1,90,28,57,95,44,52,92,68,20,84)(2,21,16,3,23,26,33,100,50,94,43)(4,5,24,69,30,99,75,39,93,15,83)(6,77,66,98,34,72,40,47,53,89,22)(7,96,27,88,37,42,80,45,17,19,76)(8,54,25,79,29,49,62,48,85,14,71)(9,56,61,10,31,64,51,38,87,63,91)(11,73,70,13,32,65,81,35,82,67,46)(12,97,78,74,36,58,59,41,18,86,60),
 (1,92,57,84,52,28,20,44,90,68,95)(2,100,3,43,33,16,94,26,21,50,23)(4,39,69,83,75,24,15,99,5,93,30)(6,47,98,22,40,66,89,72,77,53,34)(7,45,88,76,80,27,19,42,96,17,37)(8,48,79,71,62,25,14,49,54,85,29)(9,38,10,91,51,61,63,64,56,87,31)(11,35,13,46,81,70,67,65,73,82,32)(12,41,74,60,59,78,86,58,97,18,36),
 (1,95,68,90,44,20,28,52,84,57,92)(2,23,50,21,26,94,16,33,43,3,100)(4,30,93,5,99,15,24,75,83,69,39)(6,34,53,77,72,89,66,40,22,98,47)(7,37,17,96,42,19,27,80,76,88,45)(8,29,85,54,49,14,25,62,71,79,48)(9,31,87,56,64,63,61,51,91,10,38)(11,32,82,73,65,67,70,81,46,13,35)(12,36,18,97,58,86,78,59,60,74,41).

The character table of $G^{s_{23}}$:

	10									
$\chi_{23}^{(1)}$	1	1	1	1	1	1	1	1	1	1
$\chi_{23}^{(2)}$	1	A	/A	C	/C	D	/D	E	B	/B
$\chi_{23}^{(3)}$	1	B	/B	/E	E	/C	C	A	/A	D
$\chi_{23}^{(4)}$	1	C	/C	/B	B	A	/A	/D	D	/E
$\chi_{23}^{(5)}$	1	D	/D	A	/A	E	/E	B	/B	/C
$\chi_{23}^{(6)}$	1	E	/E	D	/D	/B	B	/C	C	/A
$\chi_{23}^{(7)}$	1	/E	E	/D	D	B	/B	C	/C	A
$\chi_{23}^{(8)}$	1	/D	D	/A	A	/E	E	/B	B	C
$\chi_{23}^{(9)}$	1	/C	C	B	/B	/A	A	D	/D	E
$\chi_{23}^{(10)}$	1	/B	B	E	/E	C	/C	/A	A	/D
$\chi_{23}^{(11)}$	1	/A	A	/C	C	/D	D	E	/E	/B

where $A = E(11)^4$; $B = E(11)^8$; $C = E(11)$; $D = E(11)^5$; $E = E(11)^9$.

The generators of $G^{s_{24}}$ are:

(1, 84, 20, 68, 92, 52, 44, 95, 57, 28, 90)(2, 43, 94, 50,100, 33, 26, 23, 3, 16, 21)(4, 83, 15, 93, 39, 75, 99, 30, 69, 24, 5)(6, 22, 89, 53, 47, 40, 72, 34, 98, 66, 77)(7, 76, 19, 17, 45, 80, 42, 37, 88, 27, 96) (8, 71, 14, 85, 48, 62, 49, 29, 79, 25, 54)(9, 91, 63, 87, 38, 51, 64, 31, 10, 61, 56)(11, 46, 67, 82, 35, 81, 65, 32, 13, 70, 73)(12, 60, 86, 18, 41, 59, 58, 36, 74, 78, 97)

The representatives of conjugacy classes of $G^{s_{24}}$ are:

(1), (1,20,92,44,57,90,84,68,52,95,28)(2,94,100,26,3,21,43,50,33,23,16)(4,15,39,99,69,5,83,93,75,30,24)(6,89,47,72,98,77,22,53,40,34,66)(7,19,45,42,88,96,76,17,80,37,27)(8,14,48,49,79,54,71,85,62,29,25)(9,63,38,64,10,56,91,87,51,31,61)(11,67,35,65,13,73,46,82,81,32,70)(12,86,41,58,74,97,60,18,59,36,78),
 (1,28,95,52,68,84,90,57,44,92,20)(2,16,23,33,50,43,21,3,26,100,94)(4,24,30,75,93,83,5,69,99,39,15)(6,66,34,40,53,22,77,98,72,47,89)(7,27,37,80,17,76,96,88,42,45,19)(8,25,29,62,85,71,54,79,49,48,14)(9,61,31,51,87,91,56,10,64,38,63)(11,70,32,81,82,46,73,13,65,35,67)(12,78,36,59,18,60,97,74,58,41,86),
 (1,44,84,95,20,57,68,28,92,90,52)(2,26,43,23,94,3,50,16,100,21,33)(4,99,83,30,15,69,93,24,39,5,75)(6,72,22,34,89,98,53,66,47,77,40)(7,42,76,37,19,88,17,27,45,96,80)(8,49,71,29,14,79,85,25,48,54,62)(9,64,91,31,63,10,87,61,38,56,51)(11,65,46,32,67,13,82,70,35,73,81)(12,58,60,36,86,74,18,78,41,97,59),
 (1,52,90,92,28,68,57,20,95,84,44)(2,33,21,100,16,50,3,94,23,43,26)(4,75,5,39,24,93,69,15,30,83,99)(6,40,77,47,66,53,98,89,34,22,72)(7,80,96,45,27,17,88,19,37,76,42)(8,62,54,48,25,85,79,14,29,71,49)(9,51,56,38,61,87,10,63,31,91,64)(11,81,73,35,70,82,13,67,32,46,65)(12,59,97,41,78,18,74,86,36,60,58),
 (1,57,52,20,90,95,92,84,28,44,68)(2,3,33,94,21,23,100,43,16,26,50)(4,69,75,15,5,30,39,83,24,99,93)(6,98,40,89,77,34,47,22,66,72,53)(7,88,80,19,96,37,45,76,27,42,17)(8,79,62,14,54,29,48,71,25,49,85)(9,10,51,63,56,31,38,91,61,64,87)(11,13,81,67,73,32,35,46,70,65,82)(12,74,59,86,97,36,41,60,78,58,18),
 (1,68,44,28,84,92,95,90,20,52,57)(2,50,26,16,43,100,23,21,94,33,3)(4,93,99,24,83,39,30,5,15,75,69)(6,53,72,66,22,47,34,77,89,40,98)(7,17,42,27,76,45,37,96,19,80,88)(8,85,49,25,71,48,29,54,14,62,79)(9,87,64,61,91,38,31,56,63,51,10)(11,82,65,70,46,35,32,73,67,81,13)(12,18,58,78,60,41,36,97,86,59,74),
 (1,84,20,68,92,52,44,95,57,28,90)(2,43,94,50,100,33,26,23,3,16,21)(4,83,15,93,39,75,99,30,69,24,5)(6,22,89,53,47,40,72,34,98,66,77)(7,76,19,17,45,80,42,37,88,27,96)(8,71,14,85,48,62,49,29,79,25,54)(9,91,63,87,38,51,64,31,10,61,56)(11,46,67,82,35,81,65,32,13,70,73)(12,60,86,18,41,59,58,36,74,78,97),
 (1,90,28,57,95,44,52,92,68,20,84)(2,21,16,3,23,26,33,100,50,94,43)(4,5,24,69,30,99,75,39,93,15,83)(6,77,66,98,34,72,40,47,53,89,22)(7,96,27,88,37,42,80,45,17,19,76)(8,54,25,79,29,49,62,48,85,14,71)(9,56,61,10,31,64,51,38,87,63,91)(11,73,70,13,32,65,81,35,82,67,46)(12,97,78,74,36,58,59,41,18,86,60),
 (1,92,57,84,52,28,20,44,90,68,95)(2,100,3,43,33,16,94,26,21,50,23)(4,39,69,83,75,24,15,99,5,93,30)(6,47,98,22,40,66,89,72,77,53,34)(7,45,88,76,80,27,19,42,96,17,37)(8,48,79,71,62,25,14,49,54,85,29)(9,38,10,91,51,61,63,64,56,87,31)(11,35,13,46,81,70,67,65,73,82,32)(12,41,74,60,59,78,86,58,97,18,36),
 (1,95,68,90,44,20,28,52,84,57,92)(2,23,50,21,26,94,16,33,43,3,100)(4,30,93,5,99,15,24,75,83,69,39)(6,34,53,77,72,89,66,40,22,98,47)(7,37,17,96,42,19,27,80,76,88,45)(8,29,85,54,49,14,25,62,71,79,48)(9,31,87,56,64,63,61,51,91,10,38)(11,32,82,73,65,67,70,81,46,13,35)(12,36,18,97,58,86,78,59,60,74,41).

The character table of $G^{s_{24}}$:

	10									
$\chi_{24}^{(1)}$	1	1	1	1	1	1	1	1	1	1
$\chi_{24}^{(2)}$	1	A	/A	C	/C	D	/D	/E	E	/B
$\chi_{24}^{(3)}$	1	B	/B	/E	E	/C	C	A	/A	D
$\chi_{24}^{(4)}$	1	C	/C	/B	B	A	/A	/D	D	/E
$\chi_{24}^{(5)}$	1	D	/D	A	/A	E	/E	B	/B	/C
$\chi_{24}^{(6)}$	1	E	/E	D	/D	/B	B	/C	C	/A
$\chi_{24}^{(7)}$	1	/E	E	/D	D	B	/B	C	/C	A
$\chi_{24}^{(8)}$	1	/D	D	/A	A	/E	E	/B	B	C
$\chi_{24}^{(9)}$	1	/C	C	B	/B	/A	A	D	/D	E
$\chi_{24}^{(10)}$	1	/B	B	E	/E	C	/C	/A	A	/D
$\chi_{24}^{(11)}$	1	/A	A	/C	C	/D	D	E	/E	/B

where $A = E(11)^2$; $B = E(11)^4$; $C = E(11)^6$; $D = E(11)^8$; $E = E(11)^{10}$.

2. Co_3

In this section G denotes the sporadic simple group Co_3 . It is clear that G is a sub-group of symmetric group \mathbb{S}_{276} (see [GAP]).

```

2.1. Program. gap> LoadPackage("ctbllib");
gap> ct:=CharacterTable("U3(5)");ct2:=CharacterTable("U3(5).2");
gap> cths:=CharacterTable("hs");
gap> OrdersClassRepresentatives(ct);
gap> OrdersClassRepresentatives(ct2);
gap> ordhs:= OrdersClassRepresentatives(cths);
gap> pos:= Position(ordhs,12);
gap> SizesCentralizers(cths)[pos];
gap> repeat e1:=Random(hs);until OrderPerm(e1)=12;
gap> e2:=e16;
gap> SizesConjugacyClasses(ct2)[2];
gap> PowerMap(cths,3)[PowerMap(cths,2)[21]];
gap> SizesConjugacyClasses(cths)[2];
gap> count:=0;;
gap> repeat
> u:=Subgroup(hs,[e1,e2Random(hs)]);
> count:=count+1;
> until Index(hs,u)=176;
gap> count;
gap> ophom:=ActionHomomorphism(hs,RightTransversal(hs,u),OnRight);
gap> hsop:=Image(ophom);
gap> IsPrimitive(hsop,[1..176]);
gap> dp:=DirectProduct(hs,hsop);
gap> emb1:=Embedding(dp,1);
gap> emb2:=Embedding(dp,2);
gap> diag:=List(GeneratorsOfGroup(hs),
> i->Image(emb1,i)*Image(emb2,Image(ophom,i)));
gap> diag:=Group(diag,());SetName(diag,"hs-276");
gap> Size(diag);
gap> adj:=Adjacency(gamma,5);
gap> t:=Stabilizer(diag,[5,adj[5]],OnSets);
gap> sg := SmallGeneratingSet(t);
gap> t := Subgroup(diag, sg);
gap> DisplayCompositionSeries(t);
gap> aus:=AutomorphismGroup(t);
gap> Size(aus);
gap> inner:=InnerAutomorphismsAutomorphismGroup(aus);
gap> Index(aus,inner);
gap> rt:=RightTransversal(aus,inner);
gap> automs:=Filtered(rt,i->i2 in inner and not i in inner);
gap> Length(automs);
gap> List(automs,Order);
gap> List(automs,IsConjugatorAutomorphism);

```

```

gap> i := Position( List(automs,IsConjugatorAutomorphism), true );
gap> element:=ConjugatorInnerAutomorphism(automs[i]);
gap> if SignPerm( element ) = -1 then
> ot:=Filtered( Orbits(t,[1..276]), orb -> Length(orb)=2)[1];
> element:=element*(ot[1],ot[2]);
> fi;
gap> Co3:=Group(Concatenation(GeneratorsOfGroup(diag),[element]),());
gap> Size(Co3);
gap> DisplayCompositionSeries(Co3);
gap> Display(Co3);Display(Order(Co3));
ccl:=ConjugacyClasses(Co3);
q:=NrConjugacyClasses(Co3); Display (q);
gap> for i in [1..q] do
> r:=Order(Representative(ccl[i]));Display(r);
> od;

```

2.2. The character tables. The order of G is 495766656000.

The generators of G are:

```

Group( [ ( 1, 85, 8, 96 ) ( 2, 98, 39, 68, 20, 93, 56, 30 ) ( 3, 7, 47, 29, 4, 16, 38, 62 ) ( 5, 45, 46, 89, 12, 53, 52,
80 ) ( 6, 28 ) ( 9, 24, 76, 10, 13, 60, 25, 18 ) ( 11, 86, 37, 73, 22, 92, 32, 63 ) ( 14, 35, 43, 97, 19, 54, 59, 81 ) (
17, 66 ) ( 23, 41, 55, 95, 77, 31, 40, 84 ) ( 26, 64 ) ( 27, 42, 58, 88, 69, 57, 50, 82 ) ( 33, 75, 78, 99, 44, 34, 65,
87 ) ( 36, 71, 61, 90, 51, 74, 70, 91 ) ( 48, 94, 67, 83 ) ( 49, 100, 72, 79 ) (101, 158, 272, 149, 119, 142, 251, 237)
(102, 199, 167, 264, 136, 202, 233, 257) (103, 203, 227, 229, 140, 225, 180, 194) (104, 156, 133, 244, 186, 176,
138, 171) (105, 106, 126, 185) (107, 159, 188, 135, 221, 197, 127, 117) (108, 148, 141, 118, 123, 216, 259,
134) (109, 239, 249, 200, 110, 164, 161, 151) (111, 121, 240, 261, 222, 190, 211, 250) (112, 243, 139, 265, 131,
129, 125, 255) (113, 245, 183, 234, 120, 273, 132, 154) (114, 157, 198, 252, 182, 215, 145, 256) (115, 150,
195, 173, 191, 260, 205, 270) (116, 242, 266, 207, 189, 212, 275, 230) (122, 152, 235, 248, 192, 201, 220, 169)
(124, 147, 175, 269, 181, 177, 228, 143) (128, 160, 184, 208) (130, 271, 137, 247) (144, 146, 226, 196, 219,
274, 166, 162) (153, 214, 209, 168, 258, 241, 224, 267) (155, 218, 223, 170, 172, 238, 187, 276) (163, 232, 178,
179, 213, 193, 174, 246) (165, 253, 262, 263) (204, 206, 236, 268, 231, 210, 217, 254) , ( 1, 34 ) ( 2, 97, 39,
84, 66, 83, 8, 96 ) ( 3, 15, 19, 62, 73, 67, 24, 69 ) ( 4, 56 ) ( 5, 88, 76, 89, 21, 92, 77, 82 ) ( 6, 44, 71, 46, 23, 60,
16, 12 ) ( 7, 87, 18, 94, 40, 100, 70, 98 ) ( 9, 42, 72, 29, 45, 61, 25, 14 ) ( 10, 63, 43, 36, 74, 78, 27, 17 ) ( 11,
33, 75, 58, 30, 59, 28, 53 ) ( 13, 54, 65, 32 ) ( 20, 37, 64, 68 ) ( 22, 38, 41, 55, 35, 49, 26, 57 ) ( 31, 50 ) ( 47, 79,
52, 99, 51, 85, 48, 95 ) ( 81, 86, 93, 90 ) (101, 122, 155, 240, 172, 210, 165, 184) (102, 117, 263, 144, 174, 228,
194, 132) (103, 177, 149, 269, 244, 274, 193, 260) (104, 161, 120, 247, 151, 175, 182, 129) (105, 249, 145, 209,
136, 113, 232, 143) (106, 114, 128, 115, 119, 163, 160, 225) (107, 109, 153, 205, 167, 131, 203, 124) (108, 207,
237, 192, 201, 264, 181, 215) (110, 212, 229, 267) (111, 130, 252, 150, 254, 178, 262, 265) (112, 243, 127, 164,
156, 246, 224, 166) (116, 238, 241, 231, 236, 223, 208, 157) (118, 196, 239, 183, 227, 126, 139, 147) (121, 230,
235, 190, 206, 242, 185, 234) (123, 173, 226, 179, 186, 171, 125, 253) (133, 168, 148, 261, 233, 217, 195, 272)
(134, 259, 216, 200, 219, 188, 198, 158) (135, 221, 141, 159, 213, 140, 255, 152) (137, 268, 142, 251, 248, 170,
197, 266) (138, 187, 146, 154, 270, 245, 180, 204) (162, 257, 191, 276) (169, 271, 258, 176) (189, 199, 202,
222) (211, 218, 273, 214, 256, 275, 250, 220) , ( 1, 193, 77, 184, 32, 238, 44, 220 ) ( 2, 271, 11, 240, 84, 254,
13, 198 ) ( 3, 64, 82, 53, 58, 87, 9, 34 ) ( 4, 196, 70, 165, 93, 267, 22, 181 ) ( 6, 170, 73, 222, 47, 123, 54, 136 ) (
7, 227, 83, 256, 99, 112, 45, 208 ) ( 8, 92, 67, 59 ) ( 10, 195, 74, 122, 90, 155, 94, 151 ) ( 12, 219, 72, 101, 36,
176, 51, 260 ) ( 14, 252, 69, 180, 49, 103, 19, 126 ) ( 15, 28, 78, 60, 24, 65, 86, 43 ) ( 16, 162, 75, 163 ) ( 17,
183, 79, 177 ) ( 18, 274, 68, 120, 26, 200, 71, 216 ) ( 20, 89, 80, 50, 98, 61, 88, 95 ) ( 21, 111, 81, 121, 46, 203,
40, 258 ) ( 23, 160, 39, 270, 48, 173, 37, 143 ) ( 25, 66, 100, 52, 38, 97, 63, 29 ) ( 27, 85 ) ( 30, 197, 91, 233 )
( 31, 245, 96, 129, 57, 209, 42, 217 ) ( 33, 55, 56, 62 ) ( 35, 127, 76, 232 ) (102, 242, 190, 153, 201, 152, 248,

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276) (104, 237, 255, 157, 159, 171, 128, 144) (105, 269) (106, 147, 138, 137, 133, 116, 161, 139) (107, 182, 226, 156, 266, 149, 231, 210) (108, 262, 212, 235, 169, 218, 225, 188) (109, 114, 135, 215, 236, 119, 241, 229) (110, 130, 273, 265, 174, 186, 187, 167) (113, 204, 191, 250, 172, 179, 199, 272) (115, 175, 141, 166, 192, 261, 148, 158) (117, 221, 234, 264, 224, 228, 178, 246) (118, 189, 247, 132, 230, 263, 207, 125) (124, 211, 168, 239, 213, 185, 253, 268) (131, 145, 140, 164) (134, 249) (142, 202, 275, 259, 257, 146, 251, 205) (150, 243, 194, 214, 244, 154, 206, 223) .

The representatives of conjugacy classes of G are:

$s_1 = ()$, $s_2 = (1, 23, 110, 41, 12, 137, 18, 65, 34, 142, 225, 26, 206, 40, 79, 217, 208, 275, 215, 39, 209, 124, 210) (2, 33, 243, 98, 49, 165, 175, 220, 35, 47, 250, 57, 143, 201, 72, 54, 195, 167, 71, 185, 7, 239, 263) (3, 193, 252, 157, 218, 20, 179, 227, 189, 74, 43, 19, 44, 67, 214, 173, 80, 146, 50, 30, 231, 233, 55) (4, 244, 90, 246, 122, 155, 75, 272, 68, 203, 148, 199, 103, 178, 190, 14, 230, 78, 219, 132, 270, 247, 38) (5, 17, 177, 187, 159, 53, 174, 46, 150, 11, 140, 60, 191, 95, 121, 123, 130, 129, 207, 223, 257, 105, 204) (6, 266, 117, 42, 135, 238, 64, 13, 141, 127, 181, 119, 211, 114, 22, 97, 162, 271, 200, 48, 63, 88, 236) (8, 73, 240, 29, 131, 274, 256, 99, 194, 27, 235, 133, 139, 145, 94, 259, 100, 116, 253, 188, 269, 198, 228) (9, 205, 168, 151, 76, 92, 262, 108, 234, 102, 232, 147, 160, 134, 83, 70, 192, 245, 24, 52, 202, 169, 158) (10, 66, 196, 77, 149, 226, 118, 166, 101, 273, 115, 153, 182, 51, 81, 176, 120, 224, 136, 84, 107, 222, 59) ([...]) , $s_3 = (1, 137, 225, 217, 209, 110, 65, 206, 275, 210, 12, 142, 79, 39, 23, 18, 26, 208, 124, 41, 34, 40, 215) (2, 165, 250, 54, 7, 243, 220, 143, 167, 263, 49, 47, 72, 185, 33, 175, 57, 195, 239, 98, 35, 201, 71) (3, 20, 43, 173, 231, 252, 227, 44, 146, 55, 218, 74, 214, 30, 193, 179, 19, 80, 233, 157, 189, 67, 50) (4, 155, 148, 14, 270, 90, 272, 103, 78, 38, 122, 203, 190, 132, 244, 75, 199, 230, 247, 246, 68, 178, 219) (5, 53, 140, 123, 257, 177, 46, 191, 129, 204, 159, 11, 121, 223, 17, 174, 60, 130, 105, 187, 150, 95, 207) (6, 238, 181, 97, 63, 117, 13, 211, 271, 236, 135, 127, 22, 48, 266, 64, 119, 162, 88, 42, 141, 114, 200) (8, 274, 235, 259, 269, 240, 99, 139, 116, 228, 131, 27, 94, 188, 73, 256, 133, 100, 198, 29, 194, 145, 253) (9, 92, 232, 70, 202, 168, 108, 160, 245, 158, 76, 102, 83, 52, 205, 262, 147, 192, 169, 151, 234, 134, 24) (10, 226, 115, 176, 107, 196, 166, 182, 224, 59, 149, 273, 81, 84, 66, 118, 153, 120, 222, 77, 101, 51, 136) ([...]) , $s_4 = (1, 3, 87, 274, 254, 151, 18, 57, 193, 255, 174, 33, 58, 16, 166) (2, 40, 263, 248, 46, 94, 113, 23, 180, 133, 88, 123, 261, 111, 148) (4, 119, 126, 160, 73, 207, 92, 6, 120, 97, 191, 110, 20, 237, 128) (5, 221, 181, 268, 156, 80, 276, 218, 43, 153, 81, 21, 152, 258, 83) (7, 176, 74, 208, 167, 229, 121, 105, 219, 93, 187, 42, 127, 104, 171) (8, 235, 135, 67, 249, 14, 212, 99, 115, 131, 29, 26, 78, 39, 122) (9, 68, 199, 257, 236, 101, 253, 116, 241, 114, 13, 69, 198, 137, 136) (10, 204, 158, 72, 163) (11, 247, 192, 146, 244, 190, 106, 179, 54, 162, 273, 144, 238, 102, 161) (12, 222, 188, 47, 201, 262, 32, 64, 98, 159, 62, 27, 55, 132, 256) (15, 140, 86, 169, 225) (17, 25, 197, 130, 95, 50, 141, 233, 134, 275, 226, 178, 31, 85, 231) (19, 53, 89, 265, 172, 63, 217, 44, 117, 84, 230, 234, 56, 209, 91) (22, 246, 214, 264, 45, 206, 145, 76, 200, 173, 59, 183, 48, 37, 129) (24, 61, 112) (28, 79, 168, 52, 245, 147, 164, 250, 138, 210, 157, 90, 165, 75, 34) ([...]) , $s_5 = (1, 274, 18, 255, 58) (2, 248, 113, 133, 261) (3, 254, 57, 174, 16) (4, 160, 92, 97, 20) (5, 268, 276, 153, 152) (6, 191, 237, 119, 73) (7, 208, 121, 93, 127) (8, 67, 212, 131, 78) (9, 257, 253, 114, 198) (10, 72, 204, 163, 158) (11, 146, 106, 162, 238) (12, 47, 32, 159, 55) (13, 137, 68, 236, 116) (14, 115, 26, 122, 135) (15, 169, 140, 225, 86) (17, 130, 141, 275, 31) (19, 265, 217, 84, 56) (21, 83, 181, 80, 43) (22, 264, 145, 173, 48) (23, 88, 111, 40, 46) (25, 95, 233, 226, 85) (27, 256, 188, 262, 98) (28, 52, 164, 210, 165) (29, 39, 235, 249, 99) (30, 107, 224, 100, 38) (33, 166, 87, 151, 193) (34, 168, 147, 138, 90) (35, 182, 196, 232, 270) (36, 71, 251, 202, 260) (37, 246, 45, 76, 59) (41, 211, 269, 242, 185) (42, 171, 74, 229, 219) (44, 230, 209, 53, 172) (49, 142, 223, 213, 118) (50, 134, 178, 231, 197) (51, 186, 82, 170, 109) (54, 144, 161, 192, 190) (60, 203, 267, 149, 70) (62, 132, 222, 201, 64) (63, 117, 234, 91, 89) ([...]) , $s_6 = (1, 151, 174) (2, 94, 88) (3, 18, 33) (4, 207, 191) (5, 80, 81) (6, 20, 126) (7, 229, 187) (8, 14, 29) (9, 101, 13) (11, 190, 273) (12, 262, 62) (16, 274, 193) (17, 50, 226) (19, 63, 230) (21, 221, 276) (22, 206, 59) (23, 261, 263) (24, 112, 61) (25, 141, 178) (26, 235, 212) (27, 222, 32) (28, 147, 157) (30, 259, 227) (31, 197, 233) (34, 245, 210) (35, 41, 124) (36, 195, 267) (37, 264, 200) (38, 240, 228) (39, 67, 115) (40, 113, 123) (42, 176, 121) (43, 258, 268) (44, 56, 89) (45, 173, 129) (46, 133, 148) (47, 98, 132) (48, 214, 76) (49, 177, 150) (52, 138, 75) (53, 217, 234) (54, 102, 146) (55, 188, 64)$$$$$

(57, 58, 87) (60, 202, 271) (65, 224, 216) (66, 107, 96) (68, 253, 69) (70, 251, 194) (71, 155, 149) (73, 97, 128) (74, 105, 127) (77, 213, 205) (78, 135, 99) (79, 164, 90) (83, 156, 153) (84, 91, 172) (85, 130, 134) (92, 110, 119) (93, 171, 167) (95, 275, 231) (100, 175, 143) (103, 118, 184) (104, 208, 219) (106, 144, 247) (108, 239, 266) (111, 248, 180) ([...]), $s_7 = (1, 101, 82, 50, 123, 111, 132, 202, 133, 151, 198, 250, 206, 224, 247, 88, 52, 78)$ (2, 68, 109, 85, 47, 44, 186, 13, 93, 173, 56, 72, 119, 94, 87, 222, 187, 86) (3, 70, 216, 142, 246, 113) (4, 128, 255, 230, 83, 244, 117, 220, 64, 181, 231, 79, 237, 225, 204, 218, 197, 242) (5, 22, 239, 261, 232, 184, 42, 106, 105, 98, 8, 67, 61, 118, 23, 274, 210, 241) (6, 75, 191, 95, 180, 66, 46, 37, 136, 223, 271, 155, 176, 25, 102, 135, 14, 249) (7, 269, 45, 196, 214, 236, 38, 153, 63, 221, 103, 80, 55, 69, 134, 18, 168, 215) (9, 58, 48, 248, 130, 15, 43, 182, 140) (10, 32, 145, 99, 201, 162, 185, 256, 174) (11, 28, 190, 163, 211, 194, 275, 263, 149, 152, 19, 154, 166, 267, 238, 73, 41, 20) (12, 208, 121, 266, 30, 262, 276, 71, 170, 147, 268, 193, 39, 157, 120, 116, 209, 172) (16, 200, 273, 35, 213, 139, 158, 227, 199, 97, 59, 77, 243, 126, 53, 159, 125, 229) (17, 251, 240, 257, 234, 156, 205, 178, 114, 29, 49, 259, 127, 217, 165, 207, 34, 110) ([...]), $s_8 = (1, 82, 123, 132, 133, 198, 206, 247, 52)$ (2, 109, 47, 186, 93, 56, 119, 87, 187) (3, 216, 246) (4, 255, 83, 117, 64, 231, 237, 204, 197) (5, 239, 232, 42, 105, 8, 61, 23, 210) (6, 191, 180, 46, 136, 271, 176, 102, 14) (7, 45, 214, 38, 63, 103, 55, 134, 168) (9, 48, 130, 43, 140, 58, 248, 15, 182) (10, 145, 201, 185, 174, 32, 99, 162, 256) (11, 190, 211, 275, 149, 19, 166, 238, 41) (12, 121, 30, 276, 170, 268, 39, 120, 209) (13, 173, 72, 94, 222, 86, 68, 85, 44) (16, 273, 213, 158, 199, 59, 243, 53, 125) (17, 240, 234, 205, 114, 49, 127, 165, 34) (18, 215, 269, 196, 236, 153, 221, 80, 69) (20, 28, 163, 194, 263, 152, 154, 267, 73) (21, 51, 264, 161, 131, 84, 175, 146, 148) (22, 261, 184, 106, 98, 67, 118, 274, 241) (24, 54, 183, 92, 100, 137, 89, 195, 228) (25, 135, 249, 75, 95, 66, 37, 223, 155) (26, 212, 31, 260, 65, 138, 252, 272, 160) (27, 150, 245, 167, 226, 96, 171, 104, 91) (29, 259, 217, 207, 110, 251, 257, 156, 178) ([...]), $s_9 = (1, 132, 206)$ (2, 186, 119) (4, 117, 237) (5, 42, 61) (6, 46, 176) (7, 38, 55) (8, 210, 232) (9, 43, 248) (10, 185, 99) (11, 275, 166) (12, 276, 39) (13, 94, 68) (14, 180, 271) (15, 48, 140) (16, 158, 243) (17, 205, 127) (18, 196, 221) (19, 41, 211) (20, 194, 154) (21, 161, 175) (22, 106, 118) (23, 239, 105) (24, 92, 89) (25, 75, 37) (26, 260, 252) (27, 167, 171) (28, 263, 267) (29, 207, 257) (30, 268, 209) (31, 138, 160) (32, 256, 201) (33, 36, 108) (34, 234, 49) (35, 97, 159) (40, 62, 179) (44, 72, 86) (45, 63, 134) (47, 56, 187) (50, 151, 88) (51, 131, 146) (52, 123, 198) (53, 273, 199) (54, 100, 195) (57, 124, 129) (58, 182, 130) (59, 125, 213) (60, 258, 141) (64, 204, 255) (65, 272, 212) (66, 155, 249) (67, 241, 184) (69, 269, 153) (71, 157, 208) (73, 163, 152) (74, 233, 112) (76, 189, 122) (77, 229, 139) (78, 111, 250) (79, 242, 244) (80, 215, 236) (81, 253, 235) (82, 133, 247) (83, 231, 197) (84, 148, 264) (85, 173, 222) (87, 109, 93) (90, 169, 177) ([...]), $s_{10} = (1, 50, 132, 151, 206, 88)$ (2, 85, 186, 173, 119, 222) (3, 142) (4, 230, 117, 181, 237, 218) (5, 261, 42, 98, 61, 274) (6, 95, 46, 223, 176, 135) (7, 196, 38, 221, 55, 18) (8, 118, 210, 22, 232, 106) (9, 248, 43) (10, 99, 185) (11, 163, 275, 152, 166, 73) (12, 266, 276, 147, 39, 116) (13, 56, 94, 187, 68, 47) (14, 75, 180, 37, 271, 25) (15, 140, 48) (16, 35, 158, 97, 243, 159) (17, 257, 205, 29, 127, 207) (19, 267, 41, 28, 211, 263) (20, 190, 194, 149, 154, 238) (21, 175, 161) (23, 241, 239, 184, 105, 67) (24, 76, 92, 189, 89, 122) (26, 265, 260, 188, 252, 203) (27, 171, 167) (30, 71, 268, 157, 209, 208) (31, 33, 138, 36, 160, 108) (32, 201, 256) (34, 251, 234, 178, 49, 217) (40, 183, 62, 137, 179, 228) (44, 93, 72, 87, 86, 109) (45, 236, 63, 80, 134, 215) (51, 146, 131) (52, 101, 123, 202, 198, 224) (53, 229, 273, 139, 199, 77) (54, 270, 100, 107, 195, 143) (57, 81, 124, 253, 129, 235) (58, 130, 182) (59, 126, 125, 200, 213, 227) ([...]), $s_{11} = (1, 151)$ (2, 173) (3, 142) (4, 181) (5, 98) (6, 223) (7, 221) (8, 22) (11, 152) (12, 147) (13, 187) (14, 37) (16, 97) (17, 29) (18, 38) (19, 28) (20, 149) (23, 184) (24, 189) (25, 180) (26, 188) (30, 157) (31, 36) (33, 160) (34, 178) (35, 243) (39, 266) (40, 137) (41, 263) (42, 274) (44, 87) (45, 80) (46, 135) (47, 94) (49, 251) (50, 206) (52, 202) (53, 139) (54, 107) (55, 196) (56, 68) (57, 253) (59, 200) (60, 115) (61, 261) (62, 228) (63, 215) (64, 242) (65, 74) (66, 102) (67, 239) (69, 214) (70, 246) (71, 209) (72, 109) (73, 275) (75, 271) (76, 89) (77, 273) (78, 133) (79, 255) (81, 129) (82, 250) (83, 225) (85, 119) (86, 93) (88, 132) (90, 254) (92, 122) (95, 176) (100, 143) (101, 198) (103, 269) (105, 241) (106, 210) (108, 138) (110, 114) (111, 247) (112, 212) (113, 216) (116, 276) (117, 218) (118, 232) (120, 262) (121, 193) (123, 224) (124, 235) (125, 227) (126, 213) (127, 257) (128, 231) (134, 236) (136, 249) (141, 144) (153, 168) (154, 190) (155, 191) (156, 165) (158, 159) (163, 166) ([...]), $s_{12} = (1,$

212, 6, 151, 112, 223) (2, 154, 141, 173, 190, 144) (3, 216, 70, 142, 113, 246) (4, 247, 202, 181, 111, 52) (5, 276, 89, 98, 116, 76) (7, 197, 68, 221, 220, 56) (8, 114, 127, 22, 110, 257) (9, 58, 264) (10, 171, 175) (11, 31, 260, 152, 36, 203) (12, 92, 261, 147, 122, 61) (13, 18, 225, 187, 38, 83) (14, 72, 66, 37, 109, 102) (15, 140, 48) (16, 129, 134, 97, 81, 236) (17, 106, 156, 29, 210, 165) (19, 242, 213, 28, 64, 126) (20, 60, 222, 149, 115, 186) (21, 185, 27) (23, 54, 209, 184, 107, 71) (24, 274, 266, 189, 42, 39) (25, 93, 191, 180, 86, 155) (26, 163, 33, 188, 166, 160) (30, 67, 143, 157, 239, 100) (32, 131, 226) (34, 178) (35, 235, 215, 243, 124, 63) (40, 137) (41, 244, 59, 263, 204, 200) (43, 182, 84) (44, 249, 75, 87, 136, 271) (45, 159, 253, 80, 158, 57) (46, 88, 74, 135, 132, 65) (47, 55, 231, 94, 196, 128) (49, 251) (50, 233, 95, 206, 272, 176) (51, 150, 201) (53, 164, 103, 139, 169, 269) (62, 228) (69, 199, 254, 214, 229, 90) ([...]), $s_{13} = (1, 259) (2, 149) (3, 120) (4, 198) (5, 192) (6, 232) (7, 244) (8, 206) (10, 256) (11, 191) (12, 90) (13, 242) (14, 73) (15, 245) (16, 23) (17, 132) (18, 213) (19, 83) (20, 173) (21, 32) (22, 50) (24, 164) (25, 36) (26, 75) (27, 226) (28, 225) (29, 88) (30, 243) (31, 180) (33, 136) (34, 217) (35, 157) (37, 275) (38, 126) (39, 53) (41, 56) (42, 269) (43, 130) (44, 166) (45, 105) (46, 156) (47, 125) (48, 96) (49, 251) (51, 161) (52, 78) (54, 129) (55, 267) (57, 208) (59, 197) (60, 190) (61, 229) (62, 179) (63, 143) (64, 187) (65, 106) (66, 265) (67, 124) (68, 263) (69, 92) (70, 170) (71, 236) (72, 108) (74, 210) (76, 273) (77, 89) (79, 128) (80, 241) (81, 107) (82, 250) (84, 248) (86, 260) (87, 163) (91, 140) (93, 203) (94, 227) (95, 257) (97, 184) (98, 177) (99, 150) (100, 215) (101, 181) (102, 252) (103, 274) (104, 175) (109, 138) (110, 233) (111, 230) (112, 205) (113, 121) (114, 272) (115, 154) (116, 153) (117, 218) (118, 223) (122, 214) (123, 224) (127, 176) (131, 185) (133, 202) ([...]), $s_{14} = (1, 108, 40, 269, 17, 207, 61, 263, 115, 46, 151, 138, 137, 103, 29, 205, 261, 41, 60, 135) (2, 72, 132, 219, 257, 62, 260, 121, 166, 233, 173, 109, 88, 258, 127, 228, 203, 193, 163, 272) (3, 6, 20, 63, 158, 114, 8, 25, 238, 64, 142, 223, 149, 215, 159, 110, 22, 180, 194, 242) (4, 117, 111, 5, 12, 97, 38, 274, 191, 143, 181, 218, 247, 98, 147, 16, 18, 42, 155, 100) (7, 128, 65, 216, 184, 177, 183, 232, 165, 222, 221, 231, 74, 113, 23, 192, 179, 118, 156, 186) (9, 91, 48, 140, 264, 248, 171, 175, 32, 145) (10, 167, 226, 146, 21) (11, 168, 92, 197, 105, 37, 75, 28, 67, 211, 152, 153, 122, 220, 241, 14, 271, 19, 239, 267) (13, 190, 212, 89, 106, 81, 144, 170, 85, 206, 187, 154, 112, 76, 210, 129, 141, 172, 119, 50) (15, 245, 43, 185, 182) (24, 101, 78, 236, 73, 225, 237, 178, 214, 80, 189, 198, 133, 134, 275, 83, 230, 34, 69, 45) (26, 243, 66, 87, 116, 53, 164, 49, 213, 54, 188, 35, 102, 44, 276, 139, 169, 251, 126, 107) ([...]), $s_{15} = (1, 138, 40, 103, 17, 205, 61, 41, 115, 135, 151, 108, 137, 269, 29, 207, 261, 263, 60, 46) (2, 109, 132, 258, 257, 228, 260, 193, 166, 272, 173, 72, 88, 219, 127, 62, 203, 121, 163, 233) (3, 223, 20, 215, 158, 110, 8, 180, 238, 242, 142, 6, 149, 63, 159, 114, 22, 25, 194, 64) (4, 218, 111, 98, 12, 16, 38, 42, 191, 100, 181, 117, 247, 5, 147, 97, 18, 274, 155, 143) (7, 231, 65, 113, 184, 192, 183, 118, 165, 186, 221, 128, 74, 216, 23, 177, 179, 232, 156, 222) (9, 91, 48, 140, 264, 248, 171, 175, 32, 145) (10, 167, 226, 146, 21) (11, 153, 92, 220, 105, 14, 75, 19, 67, 267, 152, 168, 122, 197, 241, 37, 271, 28, 239, 211) (13, 154, 212, 76, 106, 129, 144, 172, 85, 50, 187, 190, 112, 89, 210, 81, 141, 170, 119, 206) (15, 245, 43, 185, 182) (24, 198, 78, 134, 73, 83, 237, 34, 214, 45, 189, 101, 133, 236, 275, 225, 230, 178, 69, 80) (26, 35, 66, 44, 116, 139, 164, 251, 213, 107, 188, 243, 102, 87, 276, 53, 169, 49, 126, 54) ([...]), $s_{16} = (1, 40, 17, 61, 115, 151, 137, 29, 261, 60) (2, 132, 257, 260, 166, 173, 88, 127, 203, 163) (3, 20, 158, 8, 238, 142, 149, 159, 22, 194) (4, 111, 12, 38, 191, 181, 247, 147, 18, 155) (5, 97, 274, 143, 218, 98, 16, 42, 100, 117) (6, 63, 114, 25, 64, 223, 215, 110, 180, 242) (7, 65, 184, 183, 165, 221, 74, 23, 179, 156) (9, 48, 264, 171, 32) (10, 226, 21, 167, 146) (11, 92, 105, 75, 67, 152, 122, 241, 271, 239) (13, 212, 106, 144, 85, 187, 112, 210, 141, 119) (14, 19, 267, 168, 197, 37, 28, 211, 153, 220) (15, 43, 182, 245, 185) (24, 78, 73, 237, 214, 189, 133, 275, 230, 69) (26, 66, 116, 164, 213, 188, 102, 276, 169, 126) (27, 58, 174, 256, 96) (30, 227, 95, 240, 195, 157, 125, 176, 259, 270) (31, 79, 244, 250, 68, 36, 255, 204, 82, 56) (33, 86, 224, 94, 273, 160, 93, 123, 47, 77) (34, 45, 101, 236, 225, 178, 80, 198, 134, 83) (35, 44, 139, 251, 107, 243, 87, 53, 49, 54) (39, 136, 229, 120, 70, 266, 249, 199, 262, 246) ([...]), $s_{17} = (1, 17, 115, 137, 261) (2, 257, 166, 88, 203) (3, 158, 238, 149, 22) (4, 12, 191, 247, 18) (5, 274, 218, 16, 100) (6, 114, 64, 215, 180) (7, 184, 165, 74, 179) (8, 142, 159, 194, 20) (9, 264, 32, 48, 171) (10, 21, 146, 226, 167) (11, 105, 67, 122, 271) (13, 106, 85, 112, 141) (14, 267, 197, 28, 153) (15, 182, 185, 43, 245) (19, 168, 37, 211, 220) (23, 156, 65, 183, 221) (24, 73, 214, 133, 230) (25, 223, 110, 242, 63) (26, 116, 213, 102, 169) (27, 174, 96, 58,$$$$$

256) (29, 60, 40, 61, 151) (30, 95, 195, 125, 259) (31, 244, 68, 255, 82) (33, 224, 273, 93, 47) (34, 101, 225, 80, 134) (35, 139, 107, 87, 49) (36, 204, 56, 79, 250) (38, 181, 147, 155, 111) (39, 229, 70, 249, 262) (41, 108, 207, 46, 103) (42, 117, 97, 143, 98) (44, 251, 243, 53, 54) (45, 236, 178, 198, 83) (50, 89, 170, 154, 129) (51, 130, 131, 148, 161) (52, 208, 217, 196, 265) (55, 252, 202, 268, 234) (57, 124, 59, 209, 90) (62, 233, 258, 193, 72) (66, 164, 188, 276, 126) ([...]), $s_{18} = (1, 207, 151, 205) (2, 62, 173, 228) (3, 114, 142, 110) (4, 97, 181, 16) (5, 191, 98, 155) (6, 8, 223, 22) (7, 177, 221, 192) (9, 248) (11, 37, 152, 14) (12, 143, 147, 100) (13, 81, 187, 129) (17, 46, 29, 135) (18, 117, 38, 218) (19, 92, 28, 122) (20, 25, 149, 180) (23, 186, 184, 222) (24, 225, 189, 83) (26, 53, 188, 139) (27, 51) (30, 249, 157, 136) (31, 217, 36, 234) (32, 140) (33, 71, 160, 209) (34, 78, 178, 133) (35, 169, 243, 164) (39, 270, 266, 195) (40, 263, 137, 41) (42, 111, 274, 247) 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(44, 215, 183) (45, 221, 78) (46, 218, 52) (47, 231, 137) (48, 220, 100) (49, 212, 119) (50, 164, 68) (53, 228, 195) (54, 91, 194) (55, 187, 211) (56, 66, 136) (57, 216, 118) (60, 92, 226) (64, 150, 248) (65, 217, 179) (70, 209, 176) (71, 207, 113) (73, 103, 160) (79, 193, 166) (82, 188, 99) (85, 234, 114) (89, 250, 173) (90, 271, 203) (93, 117, 171) (94, 134, 210) (95, 132, 116) (96, 268, 276) (97, 185, 141) ([...]), $s_{22} = (1, 17, 10, 61, 20, 264, 220, 201, 23, 70, 57, 76, 64, 3) (2, 245, 168, 161, 232, 46, 91, 197, 223, 268, 267, 26, 31, 59) (4, 153, 30, 45, 89, 66, 27, 157, 69, 16, 25, 7, 247, 251) (5, 109, 90, 78, 236, 273, 270, 171, 74, 22, 185, 88, 261, 122) (6, 244, 225, 265, 204, 105, 124, 246, 172, 175, 116, 194, 233, 221) (8, 235, 144, 217, 139, 271, 107, 123, 243, 71, 29, 51, 58, 56) (9, 151, 199, 133, 75, 228, 62) (11, 205, 117, 32, 47, 87, 238, 254, 100, 86, 222, 234, 178, 156) (12, 149, 269, 131, 187, 182, 103, 207, 73, 60, 18, 120, 19, 252) (13, 68, 38, 80, 240, 257, 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92, 112, 84, 55, 52, 206) (36, 98, 48, 165, 128, 94, 173, 155, 41, 85, 63, 256, 262, 142) ([...]), $s_{23} = (1, 259, 62, 246, 243, 217, 113, 191, 134, 18) (2, 143, 121, 184, 231, 150, 35, 220, 52, 177) (3, 91, 162, 5, 199, 114, 27, 110, 77, 250) (4, 225, 137, 146, 60, 56, 71, 84, 76, 201) (6, 209, 88, 261, 151, 178, 182, 195, 212, 117) (7, 274, 109, 251, 36, 235, 118, 107, 252, 39) (8, 11, 266, 176, 193, 168, 227, 276, 116, 48) (9, 86, 164, 125, 132, 128, 59, 185, 147, 200) (10, 226, 236, 169, 19, 254, 202, 149, 196, 207) (12, 273, 54, 31, 85, 80, 156, 38, 219, 40) (13, 263, 14, 161, 218, 22, 166, 42, 189, 81) (15, 213, 157, 239, 57, 108, 93, 214, 271, 230) (16, 96, 97, 210, 78, 272, 82, 115, 175, 270) (17, 89, 163, 101, 155, 25, 233, 67, 183, 221) (20, 144, 153, 92, 139, 215, 244, 165, 262, 120) (21, 100, 265, 70, 148, 257, 238, 248, 126, 34) (23, 138, 24, 29, 160, 192, 268, 267, 229, 142) (26, 181, 66, 237, 269, 194, 245, 106, 44, 50) (28, 249, 129, 140, 222) (30, 234, 188, 104, 255, 179, 186, 232, 41, 275) (32, 211, 61, 45, 73, 240, 208, 264, 187, 197) ([...]), $s_{24} = (1, 4, 98, 165, 87, 101, 243, 271) (2, 18, 175, 57, 25, 254, 115, 61) (3, 272, 178, 48, 50, 117, 201, 221) (5, 113, 202, 99) (6, 170, 237, 7, 215, 127, 78, 245) (8, 118, 263, 76, 246, 168, 197, 205) (9, 119, 264, 219, 174, 58, 85, 238) (10, 214, 19, 144, 60, 128, 131, 191) (11, 256, 122, 83, 222, 190, 79, 185) (12, 39, 241, 16, 64, 108, 231, 189) (13, 226, 182, 105, 195, 28, 32, 196) (14, 54, 66, 42, 62, 109, 139, 236) (15, 232, 70, 247, 244, 100, 176, 52) (17, 124, 46, 65, 63, 207, 166, 235) (20, 43, 126, 69, 152, 227, 158, 55) (21, 211, 242, 27, 148, 45, 159, 225) (22, 218, 167, 204, 120, 114, 234, 96) (23, 187, 72, 255, 169, 90, 53, 80) (24, 162, 164, 145) (26, 251, 77, 262, 240, 91, 210, 95) (29, 51, 136, 110, 116, 34, 160, 224) (30, 188, 259, 198, 177, 135, 163, 181) (31, 252, 125, 228, 186, 81, 84, 37) (33, 233, 153, 217, 249, 123, 88, 161) (35, 111, 157, 230) (36, 147, 154, 229, 149, 213, 104, 208) (38, 92, 155, 94, 270, 267, 173, 130) ([...]), $s_{25} = (1, 98, 87, 243) (2, 175, 25, 115) (3, 178, 50, 201) (4, 165, 101, 271) (5, 202) (6, 237, 215, 78) (7, 127, 245, 170) (8, 263, 246, 197) (9, 264, 174, 85) (10, 19, 60, 131) (11, 122, 222, 79) (12, 241, 64, 231) (13, 182, 195, 32) (14, 66, 62, 139) (15, 70, 244, 176) (16, 108, 189, 39) (17, 46, 63, 166) (18, 57, 254, 61) (20, 126, 152, 158) (21, 242, 148, 159) (22, 167, 120, 234) (23, 72, 169, 53) (24, 164) (26, 77, 240, 210) (27, 45, 225, 211) (28, 196, 226, 105) (29, 136, 116, 160) (30, 259, 177, 163) (31, 125, 186, 84) (33, 153, 249, 88) (34, 224, 51, 110) (35, 157) (36, 154, 149, 104) (37, 252, 228, 81) (38, 155, 270, 173) (41, 193, 56, 216) (42, 109, 236, 54) (43, 69, 227, 55) (44, 132, 156, 143) (47, 141, 248, 180) (48, 117, 221, 272) (49, 142, 140, 257) (52, 232, 247, 100) (58, 238, 119, 219) (59, 206, 68, 172) (65, 207, 235, 124) (67, 106, 212, 239) (71, 129, 269, 138) (73, 265, 179, 266) (74, 75, 89, 151) 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([...]), $s_{27} = (1, 144, 121, 68, 149, 63, 249, 27, 99, 168, 191, 116, 210, 186, 76, 135, 23, 192, 8, 138, 75, 78, 130, 181) (2, 52, 273, 226, 259, 5, 11, 263, 26, 141, 160, 101, 16, 276, 113, 109, 74, 143, 43, 165, 150, 222, 206, 153) (3, 190, 236, 216, 148, 173, 34, 231, 254, 88, 81, 229, 89, 266, 12, 30, 155, 39, 59, 36, 164, 207, 199, 274) (4, 98, 56, 117, 167, 244, 41, 127, 67, 7, 215, 246, 124, 177, 232, 172, 201, 223, 6, 176, 198, 118, 100, 218) (9, 228, 13, 119, 179, 256, 194, 126, 171, 40, 242, 225, 137, 10, 64, 258, 146, 183, 238, 28, 62, 264, 187, 38) (14, 267, 151, 55, 84, 112, 248, 102, 240, 252, 73, 205) (15, 170, 269, 235, 166, 69, 22, 204, 203, 123, 220, 32, 247, 250, 159, 202, 110, 268, 87, 156, 47, 96, 234, 72) (17, 208, 132, 251, 211, 49, 65, 57, 106, 95, 196, 257) (18, 104, 213, 175) (19, 83, 85) (20, 261, 243, 147, 60, 197, 61, 182, 212, 90, 255, 120, 53, 107, 193, 24, 139, 217, 103, 152, 29, 71, 25, 77) (21, 44, 48, 195, 221, 245, 253, 200, 239, 125, 82, 50, 108, 233, 224, 42, 46, 237, 92, 178, 133, 93, 70, 163) ([...]), $s_{28} = (1, 121, 149, 249, 99, 191, 210, 76, 23, 8, 75, 130) (2, 273, 259, 11, 26, 160, 16, 113, 74, 43, 150, 206) (3, 236, 148, 34, 254, 81, 89, 12, 155, 59, 164, 199) (4, 56, 167, 41, 67, 215, 124, 232, 201, 6, 198, 100) (5, 263,$$$$$$

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195, 273, 245, 223, 264, 258, 94, 146, 259, 112, 76, 8, 103, 27, 98) (5, 165, 226, 161, 127, 162, 216, 10, 74, 11, 37, 86, 199, 36, 207, 118, 236, 191, 158, 200, 65, 105) (6, 119, 213, 269, 214, 48, 138, 176, 24, 241, 79) (7, 41, 205, 61, 42, 132, 123, 111, 22, 270, 225, 49, 167, 189, 115, 92, 25, 188, 275, 233, 257, 139) (9, 72, 89,

272, 154, 250, 47, 234, 114, 30, 197, 151, 192, 60, 247, 141, 276, 212, 140, 184, 198, 232) (16, 63, 221, 267, 229, 84, 190, 274, 160, 204, 235, 40, 256, 143, 69, 175, 179, 149, 163, 145, 67, 178) (17, 193, 196, 124, 266, 33, 102, 71, 224, 136, 21, 68, 265, 218, 166, 85, 83, 172, 186, 81, 155, 116) ([...]), $s_{34} = (1, 80, 53, 12, 252, 251, 222, 125, 231, 170, 177, 262, 244, 228, 142, 14, 260, 64, 13, 182, 240, 43)$ (2, 159, 59, 153, 121, 246, 129, 210, 23, 56, 135, 130, 194, 144, 15, 126, 157, 206, 117, 31, 249, 230) (3, 78, 97, 110, 55, 174, 254, 208, 185, 34, 220, 215, 54, 73, 164, 271, 66, 261, 91, 75, 202, 137) (4, 195, 146, 98, 152, 94, 27, 181, 258, 103, 168, 264, 8, 133, 223, 76, 128, 245, 112, 227, 273, 259) (5, 10, 207, 105, 216, 36, 65, 162, 199, 200, 127, 86, 158, 161, 37, 191, 226, 11, 236, 165, 74, 118) (6, 176, 269, 79, 138, 213, 241, 48, 119, 24, 214) (7, 111, 115, 139, 123, 189, 257, 132, 167, 233, 42, 49, 275, 61, 225, 188, 205, 270, 25, 41, 22, 92) (9, 234, 247, 232, 47, 60, 198, 250, 192, 184, 154, 151, 140, 272, 197, 212, 89, 30, 276, 72, 114, 141) (16, 274, 69, 178, 190, 143, 67, 84, 256, 145, 229, 40, 163, 267, 235, 149, 221, 204, 179, 63, 160, 175) (17, 71, 166, 116, 102, 218, 155, 33, 265, 81, 266, 68, 186, 124, 21, 172, 196, 136, 83, 193, 224, 85) ([...]), $s_{35} = (1, 260, 177, 252, 240, 142, 231, 53, 13, 244, 222)$ (2, 157, 135, 121, 249, 15, 23, 59, 117, 194, 129) (3, 66, 220, 55, 202, 164, 185, 97, 91, 54, 254) (4, 128, 168, 152, 273, 223, 258, 146, 112, 8, 27) (5, 226, 127, 216, 74, 37, 199, 207, 236, 158, 65) (6, 213, 214, 138, 24, 79, 119, 269, 48, 176, 241) (7, 205, 42, 123, 22, 225, 167, 115, 25, 275, 257) (9, 89, 154, 47, 114, 197, 192, 247, 276, 140, 198) (10, 11, 86, 36, 118, 191, 200, 105, 165, 161, 162) (12, 182, 228, 125, 80, 64, 262, 251, 43, 14, 170) (16, 221, 229, 190, 160, 235, 256, 69, 179, 163, 67) (17, 196, 266, 102, 224, 21, 265, 166, 83, 186, 155) (18, 39, 173, 109, 90, 248, 147, 134, 219, 169, 77) (19, 96, 239, 28, 44, 180, 58, 45, 52, 70, 211) (20, 106, 183, 88, 201, 32, 35, 120, 243, 95, 82) (26, 156, 217, 46, 62, 57, 87, 29, 187, 100, 203) (30, 151, 60, 141, 212, 184, 232, 72, 272, 250, 234) (31, 144, 210, 159, 206, 130, 246, 230, 126, 56, 153) (33, 71, 136, 68, 218, 85, 172, 81, 116, 193, 124) ([...]), $s_{36} = (1, 177, 240, 231, 13, 222, 260, 252, 142, 53, 244)$ (2, 135, 249, 23, 117, 129, 157, 121, 15, 59, 194) (3, 220, 202, 185, 91, 254, 66, 55, 164, 97, 54) (4, 168, 273, 258, 112, 27, 128, 152, 223, 146, 8) (5, 127, 74, 199, 236, 65, 226, 216, 37, 207, 158) (6, 214, 24, 119, 48, 241, 213, 138, 79, 269, 176) (7, 42, 22, 167, 25, 257, 205, 123, 225, 115, 275) (9, 154, 114, 192, 276, 198, 89, 47, 197, 247, 140) (10, 86, 118, 200, 165, 162, 11, 36, 191, 105, 161) (12, 228, 80, 262, 43, 170, 182, 125, 64, 251, 14) (16, 229, 160, 256, 179, 67, 221, 190, 235, 69, 163) (17, 266, 224, 265, 83, 155, 196, 102, 21, 166, 186) (18, 173, 90, 147, 219, 77, 39, 109, 248, 134, 169) (19, 239, 44, 58, 52, 211, 96, 28, 180, 45, 70) (20, 183, 201, 35, 243, 82, 106, 88, 32, 120, 95) (26, 217, 62, 87, 187, 203, 156, 46, 57, 29, 100) (30, 60, 212, 232, 272, 234, 151, 141, 184, 72, 250) (31, 210, 206, 246, 126, 153, 144, 159, 130, 230, 56) (33, 136, 218, 172, 116, 124, 71, 68, 85, 81, 193) ([...]), $s_{37} = (1, 44, 22, 34, 94, 205, 42, 198, 231, 30, 125, 48)$ (2, 213, 121, 116, 275, 227, 215, 76, 174, 89, 59, 210) (3, 271, 135, 254, 119, 36, 183, 167, 71, 257, 276, 74) (4, 235, 192, 53, 47, 219) (5, 90, 97, 159, 274, 52, 154, 156, 143, 244, 229, 123) (6, 118, 85, 261, 136, 188, 177, 260, 28, 32, 14, 43) (7, 113, 81, 164, 73, 201, 16, 75, 223, 83, 175, 161) (8, 268, 126, 103, 134, 23, 114, 55, 49, 203, 157, 222) (9, 250, 190, 233, 249, 84, 66, 108, 141, 67, 152, 224) (10, 186) (11, 197, 122, 172, 96, 266, 25, 39, 218, 65, 13, 168) (12, 45, 106) (17, 148, 117, 251, 146, 237, 69, 200, 248, 19, 228, 87) (18, 60, 99, 255, 92, 195, 246, 93, 155, 241, 21, 105) (20, 184, 130, 263, 236, 64, 150, 139, 147, 27, 29, 258) (24, 61, 112) (26, 238, 234, 132, 208, 191) (31, 131, 91, 107, 239, 178, 115, 181, 216, 101, 165, 273) (33, 202, 78, 166, 110, 267, 145, 171, 149, 137, 221, 127) (37, 180, 63, 38, 57, 50, 46, 209, 194, 54, 160, 68) ([...]), $s_{38} = (1, 140, 78, 116, 11, 123, 7, 238, 14, 48, 4, 77, 161, 167, 155)$ (2, 204, 79, 243, 173, 215, 154, 261, 252, 101, 131, 89, 245, 205, 58) (3, 177, 99, 121, 158, 248, 181, 40, 200, 119, 210, 6, 66, 50, 198) (5, 147, 230, 43, 100, 259, 45, 31, 38, 219, 222, 9, 97, 247, 110) (8, 17, 28, 132, 169, 189, 37, 55, 244, 65, 22, 33, 75, 25, 190) (10, 148, 70, 105, 185, 207, 175, 61, 264, 233, 84, 35, 56, 254, 159) (12, 107, 64, 226, 141, 85, 24, 138, 71, 96, 21, 54, 145, 142, 165) (13, 150, 196, 217, 191, 216, 224, 253, 42, 209, 235, 74, 16, 139, 211) (15, 118, 80, 262, 184, 201, 176, 63, 90, 72, 265, 26, 170, 163, 111) (18, 203, 27, 263, 178, 134, 149, 136, 239, 106, 122, 52, 193, 87, 270) (19, 268, 103, 236, 146, 44, 213, 129, 229, 144, 83, 47, 127, 112, 153) (20, 255, 69, 88, 186, 212, 164, 182, 276, 271, 234, 49, 274, 246, 257) (23, 208, 102, 187, 143, 266, 59, 115, 81, 242, 95, 92, 174, 250, 29) (30, 156, 194, 218, 223, 67, 256, 202, 214, 162, 240, 60, 73, 126, 228) ([...]), $s_{39} = (1, 250, 11, 102, 14, 59, 161, 95, 140, 29, 123, 187, 48, 115, 167, 92, 78, 23, 7, 143,$

4, 81, 155, 174, 116, 208, 238, 266, 77, 242) (2, 118, 173, 201, 252, 72, 245, 163, 204, 80, 215, 176, 101, 265, 205, 111, 79, 262, 154, 63, 131, 26, 58, 15, 243, 184, 261, 90, 89, 170) (3, 274, 158, 255, 200, 212, 66, 271, 177, 246, 248, 69, 119, 164, 50, 234, 99, 257, 181, 88, 210, 182, 198, 49, 121, 20, 40, 186, 6, 276) (5, 133, 100, 62, 38, 32, 97, 151, 147, 251, 259, 206, 219, 125, 247, 272, 230, 258, 45, 197, 222, 232, 110, 76, 43, 172, 31, 68, 9, 160) (8, 74, 169, 13, 244, 191, 75, 42, 17, 16, 189, 150, 65, 216, 25, 209, 28, 139, 37, 196, 22, 224, 190, 235, 132, 211, 55, 217, 33, 253) (10, 202, 185, 60, 264, 30, 56, 223, 148, 214, 207, 73, 233, 156, 254, 67, 70, 162, 175, 126, 84, 194, 159, 256, 105, 240, 61, 228, 35, 218) (12, 188, 141, 41, 71, 34, 145, 98, 107, 221, 85, 53, 96, 36, 142, 152, 64, 113, 24, 275, 21, 273, 165, 124, 226, 130, 138, 128, 54, 94) ([...]), $s_{40} = (1, 177, 239, 153, 157, 111, 4, 13, 38, 180, 52, 64) (2, 54, 252, 24, 166, 223, 259, 81, 178, 102, 214, 145) (3, 108, 117, 110, 207, 206, 248, 151, 225, 147, 9, 32) (5, 272, 91, 232, 255, 72, 216, 90, 124, 184, 172, 61) (6, 80, 67, 93, 94, 273, 143, 182, 77, 181, 268, 213) (7, 230, 231, 123, 240, 76, 209, 104, 57, 82, 128, 243) (8, 46, 222, 188, 109, 217, 266, 26, 162, 75, 201, 161) (10, 23, 220) (11, 247, 276, 65, 198, 192) (12, 254, 269, 261, 69, 40) (14, 190, 42, 165, 265, 185, 150, 205, 50, 21, 244, 242) (15, 235, 118, 228, 105, 98, 246, 133, 84, 49, 196, 256) (16, 112, 167, 267, 115, 168, 141, 224, 20, 142, 99, 204) (17, 152, 229, 203, 156, 116, 86, 186, 122, 149, 191, 227) (18, 125, 226, 262, 28, 39, 194, 96, 114, 215, 73, 135) (19, 44, 41, 208, 140, 103, 250, 66, 30, 221, 89, 45) (22, 129, 158, 270, 233, 189, 271, 43, 197, 264, 131, 88) (25, 87, 183, 29, 164, 119, 34, 176, 210, 138, 173, 83) (27, 200, 92, 71, 160, 263, 187, 258, 33, 134, 136, 219) ([...]), $s_{41} = (1, 181, 3, 206, 164, 138) (2, 254, 167, 262, 20, 107) (4, 260, 56, 118, 132, 199) (5, 17, 175, 234, 19, 43) (6, 66, 88, 166, 171, 12) (7, 37, 223, 27, 38, 235) (8, 213, 57, 159, 180, 259) (9, 117, 102, 39, 34, 69) (10, 140, 86, 186, 170, 158) (11, 244, 71, 216, 114, 127) (13, 265, 54, 115, 210, 253) (14, 205, 58, 256, 111, 227) (15, 204, 51) (16, 141, 241, 55, 36, 85) (18, 59, 90, 75, 151, 218) (21, 148, 76, 271, 194, 160) (22, 79, 52, 174, 152, 33) (23, 250, 78, 73, 177, 84) (24, 242, 270, 243, 41, 220) (25, 257, 64, 267, 134, 193) (26, 187, 200, 252, 32, 228) (28, 173, 31, 266, 125, 110) (29, 77, 87, 201, 248, 30) (35, 211, 61, 232, 272, 269) (40, 208, 83, 131, 192, 183) (42, 95, 106) (44, 103, 98, 198, 191, 203) (45, 233, 239, 215, 92, 157) (46, 48, 60, 70, 120, 221) (47, 116, 207, 139, 89, 184) (49, 172, 263, 168, 99, 128) (50, 143, 53, 63, 258, 80) (62, 126, 96, 94, 255, 93) (65, 136, 74, 190, 162, 155) (67, 245, 68, 101, 209, 146) ([...]), $s_{42} = (1, 233, 193, 48, 153, 31, 198, 7, 87) (2, 81, 261, 73, 102, 80, 241, 3, 212) (4, 41, 262, 103, 105, 30, 110, 74, 119) (5, 69, 20, 72, 9, 79, 100, 10, 202) (6, 139, 211, 44, 151, 60, 111, 98, 218) (8, 121, 224, 172, 137, 97, 147, 134, 195) (11, 272, 14, 256, 18, 99, 229, 33, 21) (12, 170, 203, 23, 221, 42, 145, 161, 140) (13, 26, 207, 209, 189, 36, 101, 190, 269) (15, 127, 231, 141, 112, 94, 228, 186, 34) (16, 84, 206, 128, 148, 58, 205, 113, 176) (17, 184, 275, 57, 194, 40, 65, 150, 182) (19, 159, 235, 214, 22, 90, 208, 78, 149) (24, 249, 254) (25, 66, 75, 265, 250, 106, 68, 245, 123) (27, 143, 225, 197, 216, 54, 180, 217, 248) (28, 264, 227, 71, 70, 32, 63, 142, 258) (29, 173, 109, 50, 252, 165, 115, 136, 37) (35, 49, 175, 167, 158, 160, 255, 162, 144) (38, 125, 89, 240, 164, 196, 131, 62, 56) (39, 219, 129, 114, 116, 268, 267, 155, 156) (43, 120, 46, 274, 237, 187, 183, 242, 226) (45, 77, 168, 247, 263, 51, 204, 271, 59) ([...]).$$$

The generators and the representatives of conjugacy classes of G^{s_1} are the same as G since $G^{s_1} = G$. However, we can not list their character table since it is too big to compute by my computer.

The generators of G^{s_2} are:

(1, 23, 110, 41, 12, 137, 18, 65, 34, 142, 225, 26, 206, 40, 79, 217, 208, 275, 215, 39, 209, 124, 210) (2, 33, 243, 98, 49, 165, 175, 220, 35, 47, 250, 57, 143, 201, 72, 54, 195, 167, 71, 185, 7, 239, 263) (3, 193, 252, 157, 218, 20, 179, 227, 189, 74, 43, 19, 44, 67, 214, 173, 80, 146, 50, 30, 231, 233, 55) (4, 244, 90, 246, 122, 155, 75, 272, 68, 203, 148, 199, 103, 178, 190, 14, 230, 78, 219, 132, 270, 247, 38) (5, 17, 177, 187, 159, 53, 174, 46, 150, 11, 140, 60, 191, 95, 121, 123, 130, 129, 207, 223, 257, 105, 204) (6, 266, 117, 42, 135, 238, 64, 13, 141, 127, 181, 119, 211, 114, 22, 97, 162, 271, 200, 48, 63, 88, 236) (8, 73, 240, 29, 131, 274, 256, 99, 194, 27, 235, 133, 139, 145, 94, 259, 100, 116, 253, 188, 269, 198, 228) (9, 205, 168, 151, 76, 92, 262, 108, 234, 102, 232, 147, 160, 134, 83, 70, 192, 245, 24, 52, 202, 169, 158) (10, 66, 196, 77, 149, 226, 118, 166, 101, 273, 115, 153, 182, 51, 81, 176, 120, 224, 136, 84, 107, 222, 59) (15, 111, 45, 221, 156, 267, 242, 93, 241, 186, 37, 163, 171, 16, 170, 268, 152, 261, 86, 126, 58, 28, 89) (21, 128, 184, 161, 254, 112, 216, 213, 36, 260,

258, 265, 255, 144, 138, 106, 61, 96, 31, 104, 82, 91, 109) (25, 251, 154, 87, 62, 69, 125, 264, 249, 32, 248, 56, 276, 172, 229, 197, 85, 183, 113, 164, 180, 212, 237) .

The representatives of conjugacy classes of G^s are:

() , (1, 12, 34, 206, 208, 209, 23, 137, 142, 40, 275, 124, 110, 18, 225, 79, 215, 210, 41, 65, 26, 217, 39) (2, 49, 35, 143, 195, 7, 33, 165, 47, 201, 167, 239, 243, 175, 250, 72, 71, 263, 98, 220, 57, 54, 185) (3, 218, 189, 44, 80, 231, 193, 20, 74, 67, 146, 233, 252, 179, 43, 214, 50, 55, 157, 227, 19, 173, 30) (4, 122, 68, 103, 230, 270, 244, 155, 203, 178, 78, 247, 90, 75, 148, 190, 219, 38, 246, 272, 199, 14, 132) (5, 159, 150, 191, 130, 257, 17, 53, 11, 95, 129, 105, 177, 174, 140, 121, 207, 204, 187, 46, 60, 123, 223) (6, 135, 141, 211, 162, 63, 266, 238, 127, 114, 271, 88, 117, 64, 181, 22, 200, 236, 42, 13, 119, 97, 48) (8, 131, 194, 139, 100, 269, 73, 274, 27, 145, 116, 198, 240, 256, 235, 94, 253, 228, 29, 99, 133, 259, 188) (9, 76, 234, 160, 192, 202, 205, 92, 102, 134, 245, 169, 168, 262, 232, 83, 24, 158, 151, 108, 147, 70, 52) (10, 149, 101, 182, 120, 107, 66, 226, 273, 51, 224, 222, 196, 118, 115, 81, 136, 59, 77, 166, 153, 176, 84) ([...]) , (1, 18, 206, 215, 23, 65, 40, 39, 110, 34, 79, 209, 41, 142, 217, 124, 12, 225, 208, 210, 137, 26, 275) (2, 175, 143, 71, 33, 220, 201, 185, 243, 35, 72, 7, 98, 47, 54, 239, 49, 250, 195, 263, 165, 57, 167) (3, 179, 44, 50, 193, 227, 67, 30, 252, 189, 214, 231, 157, 74, 173, 233, 218, 43, 80, 55, 20, 19, 146) (4, 75, 103, 219, 244, 272, 178, 132, 90, 68, 190, 270, 246, 203, 14, 247, 122, 148, 230, 38, 155, 199, 78) (5, 174, 191, 207, 17, 46, 95, 223, 177, 150, 121, 257, 187, 11, 123, 105, 159, 140, 130, 204, 53, 60, 129) (6, 64, 211, 200, 266, 13, 114, 48, 117, 141, 22, 63, 42, 127, 97, 88, 135, 181, 162, 236, 238, 119, 271) (8, 256, 139, 253, 73, 99, 145, 188, 240, 194, 94, 269, 29, 27, 259, 198, 131, 235, 100, 228, 274, 133, 116) (9, 262, 160, 24, 205, 108, 134, 52, 168, 234, 83, 202, 151, 102, 70, 169, 76, 232, 192, 158, 92, 147, 245) (10, 118, 182, 136, 66, 166, 51, 84, 196, 101, 81, 107, 77, 273, 176, 222, 149, 115, 120, 59, 226, 153, 224) ([...]) , (1, 23, 110, 41, 12, 137, 18, 65, 34, 142, 225, 26, 206, 40, 79, 217, 208, 275, 215, 39, 209, 124, 210) (2, 33, 243, 98, 49, 165, 175, 220, 35, 47, 250, 57, 143, 201, 72, 54, 195, 167, 71, 185, 7, 239, 263) (3, 193, 252, 157, 218, 20, 179, 227, 189, 74, 43, 19, 44, 67, 214, 173, 80, 146, 50, 30, 231, 233, 55) (4, 244, 90, 246, 122, 155, 75, 272, 68, 203, 148, 199, 103, 178, 190, 14, 230, 78, 219, 132, 270, 247, 38) (5, 17, 177, 187, 159, 53, 174, 46, 150, 11, 140, 60, 191, 95, 121, 123, 130, 129, 207, 223, 257, 105, 204) (6, 266, 117, 42, 135, 238, 64, 13, 141, 127, 181, 119, 211, 114, 22, 97, 162, 271, 200, 48, 63, 88, 236) (8, 73, 240, 29, 131, 274, 256, 99, 194, 27, 235, 133, 139, 145, 94, 259, 100, 116, 253, 188, 269, 198, 228) (9, 205, 168, 151, 76, 92, 262, 108, 234, 102, 232, 147, 160, 134, 83, 70, 192, 245, 24, 52, 202, 169, 158) (10, 66, 196, 77, 149, 226, 118, 166, 101, 273, 115, 153, 182, 51, 81, 176, 120, 224, 136, 84, 107, 222, 59) ([...]) , (1, 26, 210, 225, 124, 142, 209, 34, 39, 65, 215, 18, 275, 137, 208, 12, 217, 41, 79, 110, 40, 23, 206) (2, 57, 263, 250, 239, 47, 7, 35, 185, 220, 71, 175, 167, 165, 195, 49, 54, 98, 72, 243, 201, 33, 143) (3, 19, 55, 43, 233, 74, 231, 189, 30, 227, 50, 179, 146, 20, 80, 218, 173, 157, 214, 252, 67, 193, 44) (4, 199, 38, 148, 247, 203, 270, 68, 132, 272, 219, 75, 78, 155, 230, 122, 14, 246, 190, 90, 178, 244, 103) (5, 60, 204, 140, 105, 11, 257, 150, 223, 46, 207, 174, 129, 53, 130, 159, 123, 187, 121, 177, 95, 17, 191) (6, 119, 236, 181, 88, 127, 63, 141, 48, 13, 200, 64, 271, 238, 162, 135, 97, 42, 22, 117, 114, 266, 211) (8, 133, 228, 235, 198, 27, 269, 194, 188, 99, 253, 256, 116, 274, 100, 131, 259, 29, 94, 240, 145, 73, 139) (9, 147, 158, 232, 169, 102, 202, 234, 52, 108, 24, 262, 245, 92, 192, 76, 70, 151, 83, 168, 134, 205, 160) (10, 153, 59, 115, 222, 273, 107, 101, 84, 166, 136, 118, 224, 226, 120, 149, 176, 77, 81, 196, 51, 66, 182) ([...]) , (1, 34, 208, 23, 142, 275, 110, 225, 215, 41, 26, 39, 12, 206, 209, 137, 40, 124, 18, 79, 210, 65, 217) (2, 35, 195, 33, 47, 167, 243, 250, 71, 98, 57, 185, 49, 143, 7, 165, 201, 239, 175, 72, 263, 220, 54) (3, 189, 80, 193, 74, 146, 252, 43, 50, 157, 19, 30, 218, 44, 231, 20, 67, 233, 179, 214, 55, 227, 173) (4, 68, 230, 244, 203, 78, 90, 148, 219, 246, 199, 132, 122, 103, 270, 155, 178, 247, 75, 190, 38, 272, 14) (5, 150, 130, 17, 11, 129, 177, 140, 207, 187, 60, 223, 159, 191, 257, 53, 95, 105, 174, 121, 204, 46, 123) (6, 141, 162, 266, 127, 271, 117, 181, 200, 42, 119, 48, 135, 211, 63, 238, 114, 88, 64, 22, 236, 13, 97) (8, 194, 100, 73, 27, 116, 240, 235, 253, 29, 133, 188, 131, 139, 269, 274, 145, 198, 256, 94, 228, 99, 259) (9, 234, 192, 205, 102, 245, 168, 232, 24, 151, 147, 52, 76, 160, 202, 92, 134, 169, 262, 83, 158, 108, 70) (10, 101, 120, 66, 273, 224, 196, 115, 136, 77, 153, 84, 149, 182, 107, 226, 51, 222, 118, 81, 59, 166, 176) ([...]) , (1, 39, 217, 26, 65, 41, 210, 215, 79, 225, 18, 110, 124, 275, 40, 142, 137, 23, 209, 208, 206, 34, 12) (2, 185, 54,

57, 220, 98, 263, 71, 72, 250, 175, 243, 239, 167, 201, 47, 165, 33, 7, 195, 143, 35, 49) (3, 30, 173, 19, 227, 157, 55, 50, 214, 43, 179, 252, 233, 146, 67, 74, 20, 193, 231, 80, 44, 189, 218) (4, 132, 14, 199, 272, 246, 38, 219, 190, 148, 75, 90, 247, 78, 178, 203, 155, 244, 270, 230, 103, 68, 122) (5, 223, 123, 60, 46, 187, 204, 207, 121, 140, 174, 177, 105, 129, 95, 11, 53, 17, 257, 130, 191, 150, 159) (6, 48, 97, 119, 13, 42, 236, 200, 22, 181, 64, 117, 88, 271, 114, 127, 238, 266, 63, 162, 211, 141, 135) (8, 188, 259, 133, 99, 29, 228, 253, 94, 235, 256, 240, 198, 116, 145, 27, 274, 73, 269, 100, 139, 194, 131) (9, 52, 70, 147, 108, 151, 158, 24, 83, 232, 262, 168, 169, 245, 134, 102, 92, 205, 202, 192, 160, 234, 76) (10, 84, 176, 153, 166, 77, 59, 136, 81, 115, 118, 196, 222, 224, 51, 273, 226, 66, 107, 120, 182, 101, 149) ([...]) , (1, 40, 41, 208, 18, 39, 142, 210, 206, 110, 217, 137, 215, 34, 124, 26, 23, 79, 12, 275, 65, 209, 225) (2, 201, 98, 195, 175, 185, 47, 263, 143, 243, 54, 165, 71, 35, 239, 57, 33, 72, 49, 167, 220, 7, 250) (3, 67, 157, 80, 179, 30, 74, 55, 44, 252, 173, 20, 50, 189, 233, 19, 193, 214, 218, 146, 227, 231, 43) (4, 178, 246, 230, 75, 132, 203, 38, 103, 90, 14, 155, 219, 68, 247, 199, 244, 190, 122, 78, 272, 270, 148) (5, 95, 187, 130, 174, 223, 11, 204, 191, 177, 123, 53, 207, 150, 105, 60, 17, 121, 159, 129, 46, 257, 140) (6, 114, 42, 162, 64, 48, 127, 236, 211, 117, 97, 238, 200, 141, 88, 119, 266, 22, 135, 271, 13, 63, 181) (8, 145, 29, 100, 256, 188, 27, 228, 139, 240, 259, 274, 253, 194, 198, 133, 73, 94, 131, 116, 99, 269, 235) (9, 134, 151, 192, 262, 52, 102, 158, 160, 168, 70, 92, 24, 234, 169, 147, 205, 83, 76, 245, 108, 202, 232) (10, 51, 77, 120, 118, 84, 273, 59, 182, 196, 176, 226, 136, 101, 222, 153, 66, 81, 149, 224, 166, 107, 115) ([...]) , (1, 41, 18, 142, 206, 217, 215, 124, 23, 12, 65, 225, 40, 208, 39, 210, 110, 137, 34, 26, 79, 275, 209) (2, 98, 175, 47, 143, 54, 71, 239, 33, 49, 220, 250, 201, 195, 185, 263, 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185, 175, 195, 98, 201) (3, 43, 231, 227, 146, 218, 214, 193, 19, 233, 189, 50, 20, 173, 252, 44, 55, 74, 30, 179, 80, 157, 67) (4, 148, 270, 272, 78, 122, 190, 244, 199, 247, 68, 219, 155, 14, 90, 103, 38, 203, 132, 75, 230, 246, 178) (5, 140, 257, 46, 129, 159, 121, 17, 60, 105, 150, 207, 53, 123, 177, 191, 204, 11, 223, 174, 130, 187, 95) (6, 181, 63, 13, 271, 135, 22, 266, 119, 88, 141, 200, 238, 97, 117, 211, 236, 127, 48, 64, 162, 42, 114) (8, 235, 269, 99, 116, 131, 94, 73, 133, 198, 194, 253, 274, 259, 240, 139, 228, 27, 188, 256, 100, 29, 145) (9, 232, 202, 108, 245, 76, 83, 205, 147, 169, 234, 24, 92, 70, 168, 160, 158, 102, 52, 262, 192, 151, 134) (10, 115, 107, 166, 224, 149, 81, 66, 153, 222, 101, 136, 226, 176, 196, 182, 59, 273, 84, 118, 120, 77, 51) ([...]) , (1, 275, 26, 137, 210, 208, 225, 12, 124, 217, 142, 41, 209, 79, 34, 110, 39, 40, 65, 23, 215, 206, 18) (2, 167, 57, 165, 263, 195, 250, 49, 239, 54, 47, 98, 7, 72, 35, 243, 185, 201, 220, 33, 71, 143, 175) (3, 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The character table of G^{s_2} :

	10																		
$\chi_2^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
$\chi_2^{(2)}$	1	A	/J	F	/C	B	/A	I	/E	/D	/H	/K	K	G	H	C	D	E	/F
$\chi_2^{(3)}$	1	B	C	/K	/F	D	/B	/E	/J	/H	G	A	/A	/I	/G	F	H	J	K
$\chi_2^{(4)}$	1	C	/G	/E	/I	F	/C	D	H	K	/A	/J	J	/B	A	I	/K	/H	E
$\chi_2^{(5)}$	1	D	F	A	K	H	/D	/J	C	G	/I	B	/B	E	I	/K	/G	/C	/A
$\chi_2^{(6)}$	1	E	/D	G	H	J	/E	/A	/B	C	F	/I	I	/K	/F	/H	/C	B	/G
$\chi_2^{(7)}$	1	F	I	/J	E	/K	/F	H	/G	/A	/B	C	/C	/D	B	/E	A	G	J
$\chi_2^{(8)}$	1	G	/A	/D	B	/I	/G	/F	K	/E	/J	/H	H	C	J	/B	E	/K	D
$\chi_2^{(9)}$	1	H	/K	B	/A	/G	/H	C	F	/I	E	D	/D	J	/E	A	I	/F	/B
$\chi_2^{(10)}$	1	I	B	H	/D	/E	/I	/K	A	J	/C	/G	G	/F	C	D	/J	/A	/H
$\chi_2^{(11)}$	1	J	/H	/I	/G	/C	/J	/B	/D	F	/K	E	/E	A	K	G	/F	D	I
$\chi_2^{(12)}$	1	K	E	/C	/J	/A	/K	G	/I	B	D	/F	F	H	/D	J	/B	I	C
$\chi_2^{(13)}$	1	/K	/E	C	J	A	K	/G	I	/B	/D	F	/F	/H	D	/J	B	/I	/C
$\chi_2^{(14)}$	1	/J	H	I	G	C	J	B	D	/F	K	/E	E	/A	/K	/G	F	/D	/I
$\chi_2^{(15)}$	1	/I	/B	/H	D	E	I	K	/A	/J	C	G	/G	F	/C	/D	J	A	H
$\chi_2^{(16)}$	1	/H	K	/B	A	G	H	/C	/F	I	/E	/D	D	/J	E	/A	/I	F	B
$\chi_2^{(17)}$	1	/G	A	D	/B	I	G	F	/K	E	J	H	/H	/C	/J	B	/E	K	/D
$\chi_2^{(18)}$	1	/F	/I	J	/E	K	F	/H	G	A	B	/C	C	D	/B	E	/A	/G	/J
$\chi_2^{(19)}$	1	/E	D	/G	/H	/J	E	A	B	/C	/F	I	/I	K	F	H	C	/B	G
$\chi_2^{(20)}$	1	/D	/F	/A	/K	/H	D	J	/C	/G	I	/B	B	/E	/I	K	G	C	A
$\chi_2^{(21)}$	1	/C	G	E	I	/F	C	/D	/H	/K	A	J	/J	B	/A	/I	K	H	/E
$\chi_2^{(22)}$	1	/B	/C	K	F	/D	B	E	J	H	/G	/A	A	I	G	/F	/H	/J	/K
$\chi_2^{(23)}$	1	/A	J	/F	C	/B	A	/I	E	D	H	K	/K	/G	/H	/C	/D	/E	F

$\chi_2^{(1)}$	1	1	1	1
$\chi_2^{(2)}$	/G	/B	/I	J
$\chi_2^{(3)}$	I	/D	E	/C
$\chi_2^{(4)}$	B	/F	/D	G
$\chi_2^{(5)}$	/E	/H	J	/F
$\chi_2^{(6)}$	K	/J	A	D
$\chi_2^{(7)}$	D	K	/H	/I
$\chi_2^{(8)}$	/C	I	F	A
$\chi_2^{(9)}$	/J	G	/C	K
$\chi_2^{(10)}$	F	E	K	/B
$\chi_2^{(11)}$	/A	C	B	H
$\chi_2^{(12)}$	/H	A	/G	/E
$\chi_2^{(13)}$	H	/A	G	E
$\chi_2^{(14)}$	A	/C	/B	/H
$\chi_2^{(15)}$	/F	/E	/K	B
$\chi_2^{(16)}$	J	/G	C	/K
$\chi_2^{(17)}$	C	/I	/F	/A
$\chi_2^{(18)}$	/D	/K	H	I
$\chi_2^{(19)}$	/K	J	/A	/D
$\chi_2^{(20)}$	E	H	/J	F
$\chi_2^{(21)}$	/B	F	D	/G
$\chi_2^{(22)}$	/I	D	/E	C
$\chi_2^{(23)}$	G	B	I	/J

where $A=E(23)^4$; $B=E(23)^8$; $C=E(23)^{12}$; $D=E(23)^{16}$; $E=E(23)^{20}$; $F=E(23)$; $G=E(23)^5$; $H=E(23)^9$; $I=E(23)^{13}$; $J=E(23)^{17}$; $K=E(23)^{21}$.

The generators of G^{s_3} are:

(1, 137, 225, 217, 209, 110, 65, 206, 275, 210, 12, 142, 79, 39, 23, 18, 26, 208, 124, 41, 34, 40, 215) (2, 165, 250, 54, 7, 243, 220, 143, 167, 263, 49, 47, 72, 185, 33, 175, 57, 195, 239, 98, 35, 201, 71) (3, 20, 43, 173, 231, 252, 227, 44, 146, 55, 218, 74, 214, 30, 193, 179, 19, 80, 233, 157, 189, 67, 50) (4, 155, 148, 14, 270, 90, 272, 103, 78, 38, 122, 203, 190, 132, 244, 75, 199, 230, 247, 246, 68, 178, 219) (5, 53, 140, 123, 257, 177, 46, 191, 129, 204, 159, 11, 121, 223, 17, 174, 60, 130, 105, 187, 150, 95, 207) (6, 238, 181, 97, 63, 117, 13, 211, 271, 236, 135, 127, 22, 48, 266, 64, 119, 162, 88, 42, 141, 114, 200) (8, 274, 235, 259, 269, 240, 99, 139, 116, 228, 131, 27, 94, 188, 73, 256, 133, 100, 198, 29, 194, 145, 253) (9, 92, 232, 70, 202, 168, 108, 160, 245, 158, 76, 102, 83, 52, 205, 262, 147, 192, 169, 151, 234, 134, 24) (10, 226, 115, 176, 107, 196, 166, 182, 224, 59, 149, 273, 81, 84, 66, 118, 153, 120, 222, 77, 101, 51, 136) (15, 267, 37, 268, 58, 45, 93, 171, 261, 89, 156, 186, 170, 126, 111, 242, 163, 152, 28, 221, 241, 16, 86) (21, 112, 258, 106, 82, 184, 213, 255, 96, 109, 254, 260, 138, 104, 128, 216, 265, 61, 91, 161, 36, 144, 31) (25, 69, 248, 197, 180, 154, 264, 276, 183, 237, 62, 32, 229, 164, 251, 125, 56, 85, 212, 87, 249, 172, 113).

The representatives of conjugacy classes of G^s are:

() , (1, 12, 34, 206, 208, 209, 23, 137, 142, 40, 275, 124, 110, 18, 225, 79, 215, 210, 41, 65, 26, 217, 39) (2, 49, 35, 143, 195, 7, 33, 165, 47, 201, 167, 239, 243, 175, 250, 72, 71, 263, 98, 220, 57, 54, 185) (3, 218, 189, 44, 80, 231, 193, 20, 74, 67, 146, 233, 252, 179, 43, 214, 50, 55, 157, 227, 19, 173, 30) (4, 122, 68, 103, 230, 270, 244, 155, 203, 178, 78, 247, 90, 75, 148, 190, 219, 38, 246, 272, 199, 14, 132) (5, 159, 150, 191, 130, 257, 17, 53, 11, 95, 129, 105, 177, 174, 140, 121, 207, 204, 187, 46, 60, 123, 223) (6, 135, 141, 211, 162, 63, 266, 238, 127, 114, 271, 88, 117, 64, 181, 22, 200, 236, 42, 13, 119, 97, 48) (8, 131, 194, 139, 100, 269, 73, 274, 27, 145, 116, 198, 240, 256, 235, 94, 253, 228, 29, 99, 133, 259, 188) (9, 76, 234, 160, 192, 202, 205, 92, 102,

134, 245, 169, 168, 262, 232, 83, 24, 158, 151, 108, 147, 70, 52) (10, 149, 101, 182, 120, 107, 66, 226, 273, 51, 224, 222, 196, 118, 115, 81, 136, 59, 77, 166, 153, 176, 84) ([...]) , (1, 18, 206, 215, 23, 65, 40, 39, 110, 34, 79, 209, 41, 142, 217, 124, 12, 225, 208, 210, 137, 26, 275) (2, 175, 143, 71, 33, 220, 201, 185, 243, 35, 72, 7, 98, 47, 54, 239, 49, 250, 195, 263, 165, 57, 167) (3, 179, 44, 50, 193, 227, 67, 30, 252, 189, 214, 231, 157, 74, 173, 233, 218, 43, 80, 55, 20, 19, 146) (4, 75, 103, 219, 244, 272, 178, 132, 90, 68, 190, 270, 246, 203, 14, 247, 122, 148, 230, 38, 155, 199, 78) (5, 174, 191, 207, 17, 46, 95, 223, 177, 150, 121, 257, 187, 11, 123, 105, 159, 140, 130, 204, 53, 60, 129) (6, 64, 211, 200, 266, 13, 114, 48, 117, 141, 22, 63, 42, 127, 97, 88, 135, 181, 162, 236, 238, 119, 271) (8, 256, 139, 253, 73, 99, 145, 188, 240, 194, 94, 269, 29, 27, 259, 198, 131, 235, 100, 228, 274, 133, 116) (9, 262, 160, 24, 205, 108, 134, 52, 168, 234, 83, 202, 151, 102, 70, 169, 76, 232, 192, 158, 92, 147, 245) (10, 118, 182, 136, 66, 166, 51, 84, 196, 101, 81, 107, 77, 273, 176, 222, 149, 115, 120, 59, 226, 153, 224) ([...]) , (1, 23, 110, 41, 12, 137, 18, 65, 34, 142, 225, 26, 206, 40, 79, 217, 208, 275, 215, 39, 209, 124, 210) (2, 33, 243, 98, 49, 165, 175, 220, 35, 47, 250, 57, 143, 201, 72, 54, 195, 167, 71, 185, 7, 239, 263) (3, 193, 252, 157, 218, 20, 179, 227, 189, 74, 43, 19, 44, 67, 214, 173, 80, 146, 50, 30, 231, 233, 55) (4, 244, 90, 246, 122, 155, 75, 272, 68, 203, 148, 199, 103, 178, 190, 14, 230, 78, 219, 132, 270, 247, 38) (5, 17, 177, 187, 159, 53, 174, 46, 150, 11, 140, 60, 191, 95, 121, 123, 130, 129, 207, 223, 257, 105, 204) (6, 266, 117, 42, 135, 238, 64, 13, 141, 127, 181, 119, 211, 114, 22, 97, 162, 271, 200, 48, 63, 88, 236) (8, 73, 240, 29, 131, 274, 256, 99, 194, 27, 235, 133, 139, 145, 94, 259, 100, 116, 253, 188, 269, 198, 228) (9, 205, 168, 151, 76, 92, 262, 108, 234, 102, 232, 147, 160, 134, 83, 70, 192, 245, 24, 52, 202, 169, 158) (10, 66, 196, 77, 149, 226, 118, 166, 101, 273, 115, 153, 182, 51, 81, 176, 120, 224, 136, 84, 107, 222, 59) ([...]) , (1, 26, 210, 225, 124, 142, 209, 34, 39, 65, 215, 18, 275, 137, 208, 12, 217, 41, 79, 110, 40, 23, 206) (2, 57, 263, 250, 239, 47, 7, 35, 185, 220, 71, 175, 167, 165, 195, 49, 54, 98, 72, 243, 201, 33, 143) (3, 19, 55, 43, 233, 74, 231, 189, 30, 227, 50, 179, 146, 20, 80, 218, 173, 157, 214, 252, 67, 193, 44) (4, 199, 38, 148, 247, 203, 270, 68, 132, 272, 219, 75, 78, 155, 230, 122, 14, 246, 190, 90, 178, 244, 103) (5, 60, 204, 140, 105, 11, 257, 150, 223, 46, 207, 174, 129, 53, 130, 159, 123, 187, 121, 177, 95, 17, 191) (6, 119, 236, 181, 88, 127, 63, 141, 48, 13, 200, 64, 271, 238, 162, 135, 97, 42, 22, 117, 114, 266, 211) (8, 133, 228, 235, 198, 27, 269, 194, 188, 99, 253, 256, 116, 274, 100, 131, 259, 29, 94, 240, 145, 73, 139) (9, 147, 158, 232, 169, 102, 202, 234, 52, 108, 24, 262, 245, 92, 192, 76, 70, 151, 83, 168, 134, 205, 160) (10, 153, 59, 115, 222, 273, 107, 101, 84, 166, 136, 118, 224, 226, 120, 149, 176, 77, 81, 196, 51, 66, 182) ([...]) , (1, 34, 208, 23, 142, 275, 110, 225, 215, 41, 26, 39, 12, 206, 209, 137, 40, 124, 18, 79, 210, 65, 217) (2, 35, 195, 33, 47, 167, 243, 250, 71, 98, 57, 185, 49, 143, 7, 165, 201, 239, 175, 72, 263, 220, 54) (3, 189, 80, 193, 74, 146, 252, 43, 50, 157, 19, 30, 218, 44, 231, 20, 67, 233, 179, 214, 55, 227, 173) (4, 68, 230, 244, 203, 78, 90, 148, 219, 246, 199, 132, 122, 103, 270, 155, 178, 247, 75, 190, 38, 272, 14) (5, 150, 130, 17, 11, 129, 177, 140, 207, 187, 60, 223, 159, 191, 257, 53, 95, 105, 174, 121, 204, 46, 123) (6, 141, 162, 266, 127, 271, 117, 181, 200, 42, 119, 48, 135, 211, 63, 238, 114, 88, 64, 22, 236, 13, 97) (8, 194, 100, 73, 27, 116, 240, 235, 253, 29, 133, 188, 131, 139, 269, 274, 145, 198, 256, 94, 228, 99, 259) (9, 234, 192, 205, 102, 245, 168, 232, 24, 151, 147, 52, 76, 160, 202, 92, 134, 169, 262, 83, 158, 108, 70) (10, 101, 120, 66, 273, 224, 196, 115, 136, 77, 153, 84, 149, 182, 107, 226, 51, 222, 118, 81, 59, 166, 176) ([...]) , (1, 39, 217, 26, 65, 41, 210, 215, 79, 225, 18, 110, 124, 275, 40, 142, 137, 23, 209, 208, 206, 34, 12) (2, 185, 54, 57, 220, 98, 263, 71, 72, 250, 175, 243, 239, 167, 201, 47, 165, 33, 7, 195, 143, 35, 49) (3, 30, 173, 19, 227, 157, 55, 50, 214, 43, 179, 252, 233, 146, 67, 74, 20, 193, 231, 80, 44, 189, 218) (4, 132, 14, 199, 272, 246, 38, 219, 190, 148, 75, 90, 247, 78, 178, 203, 155, 244, 270, 230, 103, 68, 122) (5, 223, 123, 60, 46, 187, 204, 207, 121, 140, 174, 177, 105, 129, 95, 11, 53, 17, 257, 130, 191, 150, 159) (6, 48, 97, 119, 13, 42, 236, 200, 22, 181, 64, 117, 88, 271, 114, 127, 238, 266, 63, 162, 211, 141, 135) (8, 188, 259, 133, 99, 29, 228, 253, 94, 235, 256, 240, 198, 116, 145, 27, 274, 73, 269, 100, 139, 194, 131) (9, 52, 70, 147, 108, 151, 158, 24, 83, 232, 262, 168, 169, 245, 134, 102, 92, 205, 202, 192, 160, 234, 76) (10, 84, 176, 153, 166, 77, 59, 136, 81, 115, 118, 196, 222, 224, 51, 273, 226, 66, 107, 120, 182, 101, 149) ([...]) , (1, 40, 41, 208, 18, 39, 142, 210, 206, 110, 217, 137, 215, 34, 124, 26, 23, 79, 12, 275, 65, 209, 225) (2, 201, 98, 195, 175, 185, 47, 263, 143, 243, 54, 165, 71, 35, 239, 57, 33, 72, 49, 167, 220, 7, 250) (3, 67, 157, 80, 179, 30, 74, 55, 44, 252, 173, 20, 50, 189, 233, 19, 193,

214, 218, 146, 227, 231, 43) (4, 178, 246, 230, 75, 132, 203, 38, 103, 90, 14, 155, 219, 68, 247, 199, 244, 190,
 122, 78, 272, 270, 148) (5, 95, 187, 130, 174, 223, 11, 204, 191, 177, 123, 53, 207, 150, 105, 60, 17, 121, 159,
 129, 46, 257, 140) (6, 114, 42, 162, 64, 48, 127, 236, 211, 117, 97, 238, 200, 141, 88, 119, 266, 22, 135, 271,
 13, 63, 181) (8, 145, 29, 100, 256, 188, 27, 228, 139, 240, 259, 274, 253, 194, 198, 133, 73, 94, 131, 116, 99,
 269, 235) (9, 134, 151, 192, 262, 52, 102, 158, 160, 168, 70, 92, 24, 234, 169, 147, 205, 83, 76, 245, 108, 202,
 232) (10, 51, 77, 120, 118, 84, 273, 59, 182, 196, 176, 226, 136, 101, 222, 153, 66, 81, 149, 224, 166, 107, 115)
 ([...]) , (1, 41, 18, 142, 206, 217, 215, 124, 23, 12, 65, 225, 40, 208, 39, 210, 110, 137, 34, 26, 79, 275, 209)
 (2, 98, 175, 47, 143, 54, 71, 239, 33, 49, 220, 250, 201, 195, 185, 263, 243, 165, 35, 57, 72, 167, 7) (3, 157,
 179, 74, 44, 173, 50, 233, 193, 218, 227, 43, 67, 80, 30, 55, 252, 20, 189, 19, 214, 146, 231) (4, 246, 75, 203,
 103, 14, 219, 247, 244, 122, 272, 148, 178, 230, 132, 38, 90, 155, 68, 199, 190, 78, 270) (5, 187, 174, 11, 191,
 123, 207, 105, 17, 159, 46, 140, 95, 130, 223, 204, 177, 53, 150, 60, 121, 129, 257) (6, 42, 64, 127, 211, 97,
 200, 88, 266, 135, 13, 181, 114, 162, 48, 236, 117, 238, 141, 119, 22, 271, 63) (8, 29, 256, 27, 139, 259, 253,
 198, 73, 131, 99, 235, 145, 100, 188, 228, 240, 274, 194, 133, 94, 116, 269) (9, 151, 262, 102, 160, 70, 24, 169,
 205, 76, 108, 232, 134, 192, 52, 158, 168, 92, 234, 147, 83, 245, 202) (10, 77, 118, 273, 182, 176, 136, 222, 66,
 149, 166, 115, 51, 120, 84, 59, 196, 226, 101, 153, 81, 224, 107) ([...]) , (1, 65, 79, 124, 137, 206, 39, 41,
 225, 275, 23, 34, 217, 210, 18, 40, 209, 12, 26, 215, 110, 142, 208) (2, 220, 72, 239, 165, 143, 185, 98, 250,
 167, 33, 35, 54, 263, 175, 201, 7, 49, 57, 71, 243, 47, 195) (3, 227, 214, 233, 20, 44, 30, 157, 43, 146, 193,
 189, 173, 55, 179, 67, 231, 218, 19, 50, 252, 74, 80) (4, 272, 190, 247, 155, 103, 132, 246, 148, 78, 244, 68,
 14, 38, 75, 178, 270, 122, 199, 219, 90, 203, 230) (5, 46, 121, 105, 53, 191, 223, 187, 140, 129, 17, 150, 123,
 204, 174, 95, 257, 159, 60, 207, 177, 11, 130) (6, 13, 22, 88, 238, 211, 48, 42, 181, 271, 266, 141, 97, 236, 64,
 114, 63, 135, 119, 200, 117, 127, 162) (8, 99, 94, 198, 274, 139, 188, 29, 235, 116, 73, 194, 259, 228, 256, 145,
 269, 131, 133, 253, 240, 27, 100) (9, 108, 83, 169, 92, 160, 52, 151, 232, 245, 205, 234, 70, 158, 262, 134, 202,
 76, 147, 24, 168, 102, 192) (10, 166, 81, 222, 226, 182, 84, 77, 115, 224, 66, 101, 176, 59, 118, 51, 107, 149,
 153, 136, 196, 273, 120) ([...]) , (1, 79, 137, 39, 225, 23, 217, 18, 209, 26, 110, 208, 65, 124, 206, 41, 275,
 34, 210, 40, 12, 215, 142) (2, 72, 165, 185, 250, 33, 54, 175, 7, 57, 243, 195, 220, 239, 143, 98, 167, 35, 263,
 201, 49, 71, 47) (3, 214, 20, 30, 43, 193, 173, 179, 231, 19, 252, 80, 227, 233, 44, 157, 146, 189, 55, 67, 218,
 50, 74) (4, 190, 155, 132, 148, 244, 14, 75, 270, 199, 90, 230, 272, 247, 103, 246, 78, 68, 38, 178, 122, 219,
 203) (5, 121, 53, 223, 140, 17, 123, 174, 257, 60, 177, 130, 46, 105, 191, 187, 129, 150, 204, 95, 159, 207, 11)
 (6, 22, 238, 48, 181, 266, 97, 64, 63, 119, 117, 162, 13, 88, 211, 42, 271, 141, 236, 114, 135, 200, 127) (8, 94,
 274, 188, 235, 73, 259, 256, 269, 133, 240, 100, 99, 198, 139, 29, 116, 194, 228, 145, 131, 253, 27) (9, 83, 92,
 52, 232, 205, 70, 262, 202, 147, 168, 192, 108, 169, 160, 151, 245, 234, 158, 134, 76, 24, 102) (10, 81, 226,
 84, 115, 66, 176, 118, 107, 153, 196, 120, 166, 222, 182, 77, 224, 101, 59, 51, 149, 136, 273) ([...]) , (1, 110,
 12, 18, 34, 225, 206, 79, 208, 215, 209, 210, 23, 41, 137, 65, 142, 26, 40, 217, 275, 39, 124) (2, 243, 49, 175,
 35, 250, 143, 72, 195, 71, 7, 263, 33, 98, 165, 220, 47, 57, 201, 54, 167, 185, 239) (3, 252, 218, 179, 189, 43,
 44, 214, 80, 50, 231, 55, 193, 157, 20, 227, 74, 19, 67, 173, 146, 30, 233) (4, 90, 122, 75, 68, 148, 103, 190,
 230, 219, 270, 38, 244, 246, 155, 272, 203, 199, 178, 14, 78, 132, 247) (5, 177, 159, 174, 150, 140, 191, 121,
 130, 207, 257, 204, 17, 187, 53, 46, 11, 60, 95, 123, 129, 223, 105) (6, 117, 135, 64, 141, 181, 211, 22, 162,
 200, 63, 236, 266, 42, 238, 13, 127, 119, 114, 97, 271, 48, 88) (8, 240, 131, 256, 194, 235, 139, 94, 100, 253,
 269, 228, 73, 29, 274, 99, 27, 133, 145, 259, 116, 188, 198) (9, 168, 76, 262, 234, 232, 160, 83, 192, 24, 202,
 158, 205, 151, 92, 108, 102, 147, 134, 70, 245, 52, 169) (10, 196, 149, 118, 101, 115, 182, 81, 120, 136, 107,
 59, 66, 77, 226, 166, 273, 153, 51, 176, 224, 84, 222) ([...]) , (1, 124, 39, 275, 217, 40, 26, 142, 65, 137, 41,
 23, 210, 209, 215, 208, 79, 206, 225, 34, 18, 12, 110) (2, 239, 185, 167, 54, 201, 57, 47, 220, 165, 98, 33, 263,
 7, 71, 195, 72, 143, 250, 35, 175, 49, 243) (3, 233, 30, 146, 173, 67, 19, 74, 227, 20, 157, 193, 55, 231, 50, 80,
 214, 44, 43, 189, 179, 218, 252) (4, 247, 132, 78, 14, 178, 199, 203, 272, 155, 246, 244, 38, 270, 219, 230, 190,
 103, 148, 68, 75, 122, 90) (5, 105, 223, 129, 123, 95, 60, 11, 46, 53, 187, 17, 204, 257, 207, 130, 121, 191, 140,
 150, 174, 159, 177) (6, 88, 48, 271, 97, 114, 119, 127, 13, 238, 42, 266, 236, 63, 200, 162, 22, 211, 181, 141,
 64, 135, 117) (8, 198, 188, 116, 259, 145, 133, 27, 99, 274, 29, 73, 228, 269, 253, 100, 94, 139, 235, 194, 256,

131, 240) (9, 169, 52, 245, 70, 134, 147, 102, 108, 92, 151, 205, 158, 202, 24, 192, 83, 160, 232, 234, 262, 76, 168) (10, 222, 84, 224, 176, 51, 153, 273, 166, 226, 77, 66, 59, 107, 136, 120, 81, 182, 115, 101, 118, 149, 196) ([...]) , (1, 137, 225, 217, 209, 110, 65, 206, 275, 210, 12, 142, 79, 39, 23, 18, 26, 208, 124, 41, 34, 40, 215) (2, 165, 250, 54, 7, 243, 220, 143, 167, 263, 49, 47, 72, 185, 33, 175, 57, 195, 239, 98, 35, 201, 71) (3, 20, 43, 173, 231, 252, 227, 44, 146, 55, 218, 74, 214, 30, 193, 179, 19, 80, 233, 157, 189, 67, 50) (4, 155, 148, 14, 270, 90, 272, 103, 78, 38, 122, 203, 190, 132, 244, 75, 199, 230, 247, 246, 68, 178, 219) (5, 53, 140, 123, 257, 177, 46, 191, 129, 204, 159, 11, 121, 223, 17, 174, 60, 130, 105, 187, 150, 95, 207) (6, 238, 181, 97, 63, 117, 13, 211, 271, 236, 135, 127, 22, 48, 266, 64, 119, 162, 88, 42, 141, 114, 200) (8, 274, 235, 259, 269, 240, 99, 139, 116, 228, 131, 27, 94, 188, 73, 256, 133, 100, 198, 29, 194, 145, 253) (9, 92, 232, 70, 202, 168, 108, 160, 245, 158, 76, 102, 83, 52, 205, 262, 147, 192, 169, 151, 234, 134, 24) (10, 226, 115, 176, 107, 196, 166, 182, 224, 59, 149, 273, 81, 84, 66, 118, 153, 120, 222, 77, 101, 51, 136) ([...]) , (1, 142, 215, 12, 40, 210, 34, 275, 41, 206, 124, 65, 208, 110, 26, 209, 18, 217, 23, 225, 39, 137, 79) (2, 47, 71, 49, 201, 263, 35, 167, 98, 143, 239, 220, 195, 243, 57, 7, 175, 54, 33, 250, 185, 165, 72) (3, 74, 50, 218, 67, 55, 189, 146, 157, 44, 233, 227, 80, 252, 19, 231, 179, 173, 193, 43, 30, 20, 214) (4, 203, 219, 122, 178, 38, 68, 78, 246, 103, 247, 272, 230, 90, 199, 270, 75, 14, 244, 148, 132, 155, 190) (5, 11, 207, 159, 95, 204, 150, 129, 187, 191, 105, 46, 130, 177, 60, 257, 174, 123, 17, 140, 223, 53, 121) (6, 127, 200, 135, 114, 236, 141, 271, 42, 211, 88, 13, 162, 117, 119, 63, 64, 97, 266, 181, 48, 238, 22) (8, 27, 253, 131, 145, 228, 194, 116, 29, 139, 198, 99, 100, 240, 133, 269, 256, 259, 73, 235, 188, 274, 94) (9, 102, 24, 76, 134, 158, 234, 245, 151, 160, 169, 108, 192, 168, 147, 202, 262, 70, 205, 232, 52, 92, 83) (10, 273, 136, 149, 51, 59, 101, 224, 77, 182, 222, 166, 120, 196, 153, 107, 118, 176, 66, 115, 84, 226, 81) ([...]) , (1, 206, 23, 40, 110, 79, 41, 217, 12, 208, 137, 275, 18, 215, 65, 39, 34, 209, 142, 124, 225, 210, 26) (2, 143, 33, 201, 243, 72, 98, 54, 49, 195, 165, 167, 175, 71, 220, 185, 35, 7, 47, 239, 250, 263, 57) (3, 44, 193, 67, 252, 214, 157, 173, 218, 80, 20, 146, 179, 50, 227, 30, 189, 231, 74, 233, 43, 55, 19) (4, 103, 244, 178, 90, 190, 246, 14, 122, 230, 155, 78, 75, 219, 272, 132, 68, 270, 203, 247, 148, 38, 199) (5, 191, 17, 95, 177, 121, 187, 123, 159, 130, 53, 129, 174, 207, 46, 223, 150, 257, 11, 105, 140, 204, 60) (6, 211, 266, 114, 117, 22, 42, 97, 135, 162, 238, 271, 64, 200, 13, 48, 141, 63, 127, 88, 181, 236, 119) (8, 139, 73, 145, 240, 94, 29, 259, 131, 100, 274, 116, 256, 253, 99, 188, 194, 269, 27, 198, 235, 228, 133) (9, 160, 205, 134, 168, 83, 151, 70, 76, 192, 92, 245, 262, 24, 108, 52, 234, 202, 102, 169, 232, 158, 147) (10, 182, 66, 51, 196, 81, 77, 176, 149, 120, 226, 224, 118, 136, 166, 84, 101, 107, 273, 222, 115, 59, 153) ([...]) , (1, 208, 142, 110, 215, 26, 12, 209, 40, 18, 210, 217, 34, 23, 275, 225, 41, 39, 206, 137, 124, 79, 65) (2, 195, 47, 243, 71, 57, 49, 7, 201, 175, 263, 54, 35, 33, 167, 250, 98, 185, 143, 165, 239, 72, 220) (3, 80, 74, 252, 50, 19, 218, 231, 67, 179, 55, 173, 189, 193, 146, 43, 157, 30, 44, 20, 233, 214, 227) (4, 230, 203, 90, 219, 199, 122, 270, 178, 75, 38, 14, 68, 244, 78, 148, 246, 132, 103, 155, 247, 190, 272) (5, 130, 11, 177, 207, 60, 159, 257, 95, 174, 204, 123, 150, 17, 129, 140, 187, 223, 191, 53, 105, 121, 46) (6, 162, 127, 117, 200, 119, 135, 63, 114, 64, 236, 97, 141, 266, 271, 181, 42, 48, 211, 238, 88, 22, 13) (8, 100, 27, 240, 253, 133, 131, 269, 145, 256, 228, 259, 194, 73, 116, 235, 29, 188, 139, 274, 198, 94, 99) (9, 192, 102, 168, 24, 147, 76, 202, 134, 262, 158, 70, 234, 205, 245, 232, 151, 52, 160, 92, 169, 83, 108) (10, 120, 273, 196, 136, 153, 149, 107, 51, 118, 59, 176, 101, 66, 224, 115, 77, 84, 182, 226, 222, 81, 166) ([...]) , (1, 209, 275, 79, 26, 34, 137, 110, 210, 39, 208, 40, 225, 65, 12, 23, 124, 215, 217, 206, 142, 18, 41) (2, 7, 167, 72, 57, 35, 165, 243, 263, 185, 195, 201, 250, 220, 49, 33, 239, 71, 54, 143, 47, 175, 98) (3, 231, 146, 214, 19, 189, 20, 252, 55, 30, 80, 67, 43, 227, 218, 193, 233, 50, 173, 44, 74, 179, 157) (4, 270, 78, 190, 199, 68, 155, 90, 38, 132, 230, 178, 148, 272, 122, 244, 247, 219, 14, 103, 203, 75, 246) (5, 257, 129, 121, 60, 150, 53, 177, 204, 223, 130, 95, 140, 46, 159, 17, 105, 207, 123, 191, 11, 174, 187) (6, 63, 271, 22, 119, 141, 238, 117, 236, 48, 162, 114, 181, 13, 135, 266, 88, 200, 97, 211, 127, 64, 42) (8, 269, 116, 94, 133, 194, 274, 240, 228, 188, 100, 145, 235, 99, 131, 73, 198, 253, 259, 139, 27, 256, 29) (9, 202, 245, 83, 147, 234, 92, 168, 158, 52, 192, 134, 232, 108, 76, 205, 169, 24, 70, 160, 102, 262, 151) (10, 107, 224, 81, 153, 101, 226, 196, 59, 84, 120, 51, 115, 166, 149, 66, 222, 136, 176, 182, 273, 118, 77) ([...]) , (1, 210, 124, 209, 39, 215, 275, 208, 217, 79, 40, 206, 26, 225, 142, 34, 65, 18, 137, 12, 41, 110, 23) (2, 263, 239, 7, 185, 71, 167, 195, 54, 72, 201, 143, 57, 250, 47, 35, 220, 175, 165, 49, 98, 243, 33) (3, 55, 233, 231,

30, 50, 146, 80, 173, 214, 67, 44, 19, 43, 74, 189, 227, 179, 20, 218, 157, 252, 193) (4, 38, 247, 270, 132, 219, 78, 230, 14, 190, 178, 103, 199, 148, 203, 68, 272, 75, 155, 122, 246, 90, 244) (5, 204, 105, 257, 223, 207, 129, 130, 123, 121, 95, 191, 60, 140, 11, 150, 46, 174, 53, 159, 187, 177, 17) (6, 236, 88, 63, 48, 200, 271, 162, 97, 22, 114, 211, 119, 181, 127, 141, 13, 64, 238, 135, 42, 117, 266) (8, 228, 198, 269, 188, 253, 116, 100, 259, 94, 145, 139, 133, 235, 27, 194, 99, 256, 274, 131, 29, 240, 73) (9, 158, 169, 202, 52, 24, 245, 192, 70, 83, 134, 160, 147, 232, 102, 234, 108, 262, 92, 76, 151, 168, 205) (10, 59, 222, 107, 84, 136, 224, 120, 176, 81, 51, 182, 153, 115, 273, 101, 166, 118, 226, 149, 77, 196, 66) ([...]) , (1, 215, 40, 34, 41, 124, 208, 26, 18, 23, 39, 79, 142, 12, 210, 275, 206, 65, 110, 209, 217, 225, 137) (2, 71, 201, 35, 98, 239, 195, 57, 175, 33, 185, 72, 47, 49, 263, 167, 143, 220, 243, 7, 54, 250, 165) (3, 50, 67, 189, 157, 233, 80, 19, 179, 193, 30, 214, 74, 218, 55, 146, 44, 227, 252, 231, 173, 43, 20) (4, 219, 178, 68, 246, 247, 230, 199, 75, 244, 132, 190, 203, 122, 38, 78, 103, 272, 90, 270, 14, 148, 155) (5, 207, 95, 150, 187, 105, 130, 60, 174, 17, 223, 121, 11, 159, 204, 129, 191, 46, 177, 257, 123, 140, 53) (6, 200, 114, 141, 42, 88, 162, 119, 64, 266, 48, 22, 127, 135, 236, 271, 211, 13, 117, 63, 97, 181, 238) (8, 253, 145, 194, 29, 198, 100, 133, 256, 73, 188, 94, 27, 131, 228, 116, 139, 99, 240, 269, 259, 235, 274) (9, 24, 134, 234, 151, 169, 192, 147, 262, 205, 52, 83, 102, 76, 158, 245, 160, 108, 168, 202, 70, 232, 92) (10, 136, 51, 101, 77, 222, 120, 153, 118, 66, 84, 81, 273, 149, 59, 224, 182, 166, 196, 107, 176, 115, 226) ([...]) , (1, 217, 65, 210, 79, 18, 124, 40, 137, 209, 206, 12, 39, 26, 41, 215, 225, 110, 275, 142, 23, 208, 34) (2, 54, 220, 263, 72, 175, 239, 201, 165, 7, 143, 49, 185, 57, 98, 71, 250, 243, 167, 47, 33, 195, 35) (3, 173, 227, 55, 214, 179, 233, 67, 20, 231, 44, 218, 30, 19, 157, 50, 43, 252, 146, 74, 193, 80, 189) (4, 14, 272, 38, 190, 75, 247, 178, 155, 270, 103, 122, 132, 199, 246, 219, 148, 90, 78, 203, 244, 230, 68) (5, 123, 46, 204, 121, 174, 105, 95, 53, 257, 191, 159, 223, 60, 187, 207, 140, 177, 129, 11, 17, 130, 150) (6, 97, 13, 236, 22, 64, 88, 114, 238, 63, 211, 135, 48, 119, 42, 200, 181, 117, 271, 127, 266, 162, 141) (8, 259, 99, 228, 94, 256, 198, 145, 274, 269, 139, 131, 188, 133, 29, 253, 235, 240, 116, 27, 73, 100, 194) (9, 70, 108, 158, 83, 262, 169, 134, 92, 202, 160, 76, 52, 147, 151, 24, 232, 168, 245, 102, 205, 192, 234) (10, 176, 166, 59, 81, 118, 222, 51, 226, 107, 182, 149, 84, 153, 77, 136, 115, 196, 224, 273, 66, 120, 101) ([...]) , (1, 225, 209, 65, 275, 12, 79, 23, 26, 124, 34, 215, 137, 217, 110, 206, 210, 142, 39, 18, 208, 41, 40) (2, 250, 7, 220, 167, 49, 72, 33, 57, 239, 35, 71, 165, 54, 243, 143, 263, 47, 185, 175, 195, 98, 201) (3, 43, 231, 227, 146, 218, 214, 193, 19, 233, 189, 50, 20, 173, 252, 44, 55, 74, 30, 179, 80, 157, 67) (4, 148, 270, 272, 78, 122, 190, 244, 199, 247, 68, 219, 155, 14, 90, 103, 38, 203, 132, 75, 230, 246, 178) (5, 140, 257, 46, 129, 159, 121, 17, 60, 105, 150, 207, 53, 123, 177, 191, 204, 11, 223, 174, 130, 187, 95) (6, 181, 63, 13, 271, 135, 22, 266, 119, 88, 141, 200, 238, 97, 117, 211, 236, 127, 48, 64, 162, 42, 114) (8, 235, 269, 99, 116, 131, 94, 73, 133, 198, 194, 253, 274, 259, 240, 139, 228, 27, 188, 256, 100, 29, 145) (9, 232, 202, 108, 245, 76, 83, 205, 147, 169, 234, 24, 92, 70, 168, 160, 158, 102, 52, 262, 192, 151, 134) (10, 115, 107, 166, 224, 149, 81, 66, 153, 222, 101, 136, 226, 176, 196, 182, 59, 273, 84, 118, 120, 77, 51) ([...]) , (1, 275, 26, 137, 210, 208, 225, 12, 124, 217, 142, 41, 209, 79, 34, 110, 39, 40, 65, 23, 215, 206, 18) (2, 167, 57, 165, 263, 195, 250, 49, 239, 54, 47, 98, 7, 72, 35, 243, 185, 201, 220, 33, 71, 143, 175) (3, 146, 19, 20, 55, 80, 43, 218, 233, 173, 74, 157, 231, 214, 189, 252, 30, 67, 227, 193, 50, 44, 179) (4, 78, 199, 155, 38, 230, 148, 122, 247, 14, 203, 246, 270, 190, 68, 90, 132, 178, 272, 244, 219, 103, 75) (5, 129, 60, 53, 204, 130, 140, 159, 105, 123, 11, 187, 257, 121, 150, 177, 223, 95, 46, 17, 207, 191, 174) (6, 271, 119, 238, 236, 162, 181, 135, 88, 97, 127, 42, 63, 22, 141, 117, 48, 114, 13, 266, 200, 211, 64) (8, 116, 133, 274, 228, 100, 235, 131, 198, 259, 27, 29, 269, 94, 194, 240, 188, 145, 99, 73, 253, 139, 256) (9, 245, 147, 92, 158, 192, 232, 76, 169, 70, 102, 151, 202, 83, 234, 168, 52, 134, 108, 205, 24, 160, 262) (10, 224, 153, 226, 59, 120, 115, 149, 222, 176, 273, 77, 107, 81, 101, 196, 84, 51, 166, 66, 136, 182, 118) ([...]) .

The character table of G^{s_3} :

	10																		
$\chi_3^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
$\chi_3^{(2)}$	1	A	/J	F	/C	B	/A	I	/E	/D	/H	/K	K	G	H	C	D	E	/F
$\chi_3^{(3)}$	1	B	C	/K	/F	D	/B	/E	/J	/H	G	A	/A	/I	/G	F	H	J	K
$\chi_3^{(4)}$	1	C	/G	/E	/I	F	/C	D	H	K	/A	/J	J	/B	A	I	/K	/H	E
$\chi_3^{(5)}$	1	D	F	A	K	H	/D	/J	C	G	/I	B	/B	E	I	/K	/G	/C	/A
$\chi_3^{(6)}$	1	E	/D	G	H	J	/E	/A	/B	C	F	/I	I	/K	/F	/H	/C	B	/G
$\chi_3^{(7)}$	1	F	I	/J	E	/K	/F	H	/G	/A	/B	C	/C	/D	B	/E	A	G	J
$\chi_3^{(8)}$	1	G	/A	/D	B	/I	/G	/F	K	/E	/J	/H	H	C	J	/B	E	/K	D
$\chi_3^{(9)}$	1	H	/K	B	/A	/G	/H	C	F	/I	E	D	/D	J	/E	A	I	/F	/B
$\chi_3^{(10)}$	1	I	B	H	/D	/E	/I	/K	A	J	/C	/G	G	/F	C	D	/J	/A	/H
$\chi_3^{(11)}$	1	J	/H	/I	/G	/C	/J	/B	/D	F	/K	E	/E	A	K	G	/F	D	I
$\chi_3^{(12)}$	1	K	E	/C	/J	/A	/K	G	/I	B	D	/F	F	H	/D	J	/B	I	C
$\chi_3^{(13)}$	1	/K	/E	C	J	A	K	/G	I	/B	/D	F	/F	/H	D	/J	B	/I	/C
$\chi_3^{(14)}$	1	/J	H	I	G	C	J	B	D	/F	K	/E	E	/A	/K	/G	F	/D	/I
$\chi_3^{(15)}$	1	/I	/B	/H	D	E	I	K	/A	/J	C	G	/G	F	/C	/D	J	A	H
$\chi_3^{(16)}$	1	/H	K	/B	A	G	H	/C	/F	I	/E	/D	D	/J	E	/A	/I	F	B
$\chi_3^{(17)}$	1	/G	A	D	/B	I	G	F	/K	E	J	H	/H	/C	/J	B	/E	K	/D
$\chi_3^{(18)}$	1	/F	/I	J	/E	K	F	/H	G	A	B	/C	C	D	/B	E	/A	/G	/J
$\chi_3^{(19)}$	1	/E	D	/G	/H	/J	E	A	B	/C	/F	I	/I	K	F	H	C	/B	G
$\chi_3^{(20)}$	1	/D	/F	/A	/K	/H	D	J	/C	/G	I	/B	B	/E	/I	K	G	C	A
$\chi_3^{(21)}$	1	/C	G	E	I	/F	C	/D	/H	/K	A	J	/J	B	/A	/I	K	H	/E
$\chi_3^{(22)}$	1	/B	/C	K	F	/D	B	E	J	H	/G	/A	A	I	G	/F	/H	/J	/K
$\chi_3^{(23)}$	1	/A	J	/F	C	/B	A	/I	E	D	H	K	/K	/G	/H	/C	/D	/E	F

$\chi_3^{(1)}$	1	1	1	1
$\chi_3^{(2)}$	/G	/B	/I	J
$\chi_3^{(3)}$	I	/D	E	/C
$\chi_3^{(4)}$	B	/F	/D	G
$\chi_3^{(5)}$	/E	/H	J	/F
$\chi_3^{(6)}$	K	/J	A	D
$\chi_3^{(7)}$	D	K	/H	/I
$\chi_3^{(8)}$	/C	I	F	A
$\chi_3^{(9)}$	/J	G	/C	K
$\chi_3^{(10)}$	F	E	K	/B
$\chi_3^{(11)}$	/A	C	B	H
$\chi_3^{(12)}$	/H	A	/G	/E
$\chi_3^{(13)}$	H	/A	G	E
$\chi_3^{(14)}$	A	/C	/B	/H
$\chi_3^{(15)}$	/F	/E	/K	B
$\chi_3^{(16)}$	J	/G	C	/K
$\chi_3^{(17)}$	C	/I	/F	/A
$\chi_3^{(18)}$	/D	/K	H	I
$\chi_3^{(19)}$	/K	J	/A	/D
$\chi_3^{(20)}$	E	H	/J	F
$\chi_3^{(21)}$	/B	F	D	/G
$\chi_3^{(22)}$	/I	D	/E	C
$\chi_3^{(23)}$	G	B	I	/J

where $A=E(23)^{10}$; $B=E(23)^{20}$; $C=E(23)^7$; $D=E(23)^{17}$; $E=E(23)^4$; $F=E(23)^{14}$; $G=E(23)$; $H=E(23)^{11}$; $I=E(23)^{21}$; $J=E(23)^8$; $K=E(23)^{18}$.

The generators of G^{s_4} are:

(1, 3, 87, 274, 254, 151, 18, 57, 193, 255, 174, 33, 58, 16, 166) (2, 40, 263, 248, 46, 94, 113, 23, 180, 133, 88, 123, 261, 111, 148) (4, 119, 126, 160, 73, 207, 92, 6, 120, 97, 191, 110, 20, 237, 128) (5, 221, 181, 268, 156, 80, 276, 218, 43, 153, 81, 21, 152, 258, 83) (7, 176, 74, 208, 167, 229, 121, 105, 219, 93, 187, 42, 127, 104, 171) (8, 235, 135, 67, 249, 14, 212, 99, 115, 131, 29, 26, 78, 39, 122) (9, 68, 199, 257, 236, 101, 253, 116, 241, 114, 13, 69, 198, 137, 136) (10, 204, 158, 72, 163) (11, 247, 192, 146, 244, 190, 106, 179, 54, 162, 273, 144, 238, 102, 161) (12, 222, 188, 47, 201, 262, 32, 64, 98, 159, 62, 27, 55, 132, 256) (15, 140, 86, 169, 225) (17, 25, 197, 130, 95, 50, 141, 233, 134, 275, 226, 178, 31, 85, 231) (19, 53, 89, 265, 172, 63, 217, 44, 117, 84, 230, 234, 56, 209, 91) (22, 246, 214, 264, 45, 206, 145, 76, 200, 173, 59, 183, 48, 37, 129) (24, 61, 112) (28, 79, 168, 52, 245, 147, 164, 250, 138, 210, 157, 90, 165, 75, 34) (30, 65, 240, 107, 143, 259, 224, 228, 96, 100, 227, 216, 38, 66, 175) (35, 243, 185, 182, 189, 41, 196, 272, 211, 232, 124, 269, 270, 220, 242) (36, 70, 139, 71, 60, 195, 251, 203, 155, 202, 267, 194, 260, 149, 271) (49, 252, 184, 142, 77, 177, 223, 103, 215, 213, 150, 154, 118, 125, 205) (51, 82, 109, 186, 170) (108, 266, 239).

The representatives of conjugacy classes of G^{s_4} are:

() , (1, 3, 87, 274, 254, 151, 18, 57, 193, 255, 174, 33, 58, 16, 166) (2, 40, 263, 248, 46, 94, 113, 23, 180, 133, 88, 123, 261, 111, 148) (4, 119, 126, 160, 73, 207, 92, 6, 120, 97, 191, 110, 20, 237, 128) (5, 221, 181, 268, 156, 80, 276, 218, 43, 153, 81, 21, 152, 258, 83) (7, 176, 74, 208, 167, 229, 121, 105, 219, 93, 187, 42, 127, 104, 171) (8, 235, 135, 67, 249, 14, 212, 99, 115, 131, 29, 26, 78, 39, 122) (9, 68, 199, 257, 236, 101, 253, 116, 241, 114, 13, 69, 198, 137, 136) (10, 204, 158, 72, 163) (11, 247, 192, 146, 244, 190, 106, 179, 54, 162, 273, 144, 238, 102, 161) (12, 222, 188, 47, 201, 262, 32, 64, 98, 159, 62, 27, 55, 132, 256) (15, 140, 86, 169, 225) (17, 25, 197, 130, 95, 50, 141, 233, 134, 275, 226, 178, 31, 85, 231) (19, 53, 89, 265, 172, 63, 217, 44, 117,

84, 230, 234, 56, 209, 91) (22, 246, 214, 264, 45, 206, 145, 76, 200, 173, 59, 183, 48, 37, 129) (24, 61, 112) (28, 79, 168, 52, 245, 147, 164, 250, 138, 210, 157, 90, 165, 75, 34) ([...]) , (1, 16, 33, 255, 57, 151, 274, 3, 166, 58, 174, 193, 18, 254, 87) (2, 111, 123, 133, 23, 94, 248, 40, 148, 261, 88, 180, 113, 46, 263) (4, 237, 110, 97, 6, 207, 160, 119, 128, 20, 191, 120, 92, 73, 126) (5, 258, 21, 153, 218, 80, 268, 221, 83, 152, 81, 43, 276, 156, 181) (7, 104, 42, 93, 105, 229, 208, 176, 171, 127, 187, 219, 121, 167, 74) (8, 39, 26, 131, 99, 14, 67, 235, 122, 78, 29, 115, 212, 249, 135) (9, 137, 69, 114, 116, 101, 257, 68, 136, 198, 13, 241, 253, 236, 199) (10, 72, 204, 163, 158) (11, 102, 144, 162, 179, 190, 146, 247, 161, 238, 273, 54, 106, 244, 192) (12, 132, 27, 159, 64, 262, 47, 222, 256, 55, 62, 98, 32, 201, 188) (15, 169, 140, 225, 86) (17, 85, 178, 275, 233, 50, 130, 25, 231, 31, 226, 134, 141, 95, 197) (19, 209, 234, 84, 44, 63, 265, 53, 91, 56, 230, 117, 217, 172, 89) (22, 37, 183, 173, 76, 206, 264, 246, 129, 48, 59, 200, 145, 45, 214) (24, 61, 112) (28, 75, 90, 210, 250, 147, 52, 79, 34, 165, 157, 138, 164, 245, 168) ([...]) , (1, 18, 58, 274, 255) (2, 113, 261, 248, 133) (3, 57, 16, 254, 174) (4, 92, 20, 160, 97) (5, 276, 152, 268, 153) (6, 237, 73, 191, 119) (7, 121, 127, 208, 93) (8, 212, 78, 67, 131) (9, 253, 198, 257, 114) (10, 204, 158, 72, 163) (11, 106, 238, 146, 162) (12, 32, 55, 47, 159) (13, 68, 116, 137, 236) (14, 26, 135, 115, 122) (15, 140, 86, 169, 225) (17, 141, 31, 130, 275) (19, 217, 56, 265, 84) (21, 181, 43, 83, 80) (22, 145, 48, 264, 173) (23, 111, 46, 88, 40) (25, 233, 85, 95, 226) (27, 188, 98, 256, 262) (28, 164, 165, 52, 210) (29, 235, 99, 39, 249) (30, 224, 38, 107, 100) (33, 87, 193, 166, 151) (34, 147, 90, 168, 138) (35, 196, 270, 182, 232) (36, 251, 260, 71, 202) (37, 45, 59, 246, 76) (41, 269, 185, 211, 242) (42, 74, 219, 171, 229) (44, 209, 172, 230, 53) (49, 223, 118, 142, 213) (50, 178, 197, 134, 231) (51, 82, 109, 186, 170) (54, 161, 190, 144, 192) (60, 267, 70, 203, 149) (62, 222, 64, 132, 201) (63, 234, 89, 117, 91) ([...]) , (1, 33, 57, 274, 166, 174, 18, 87, 16, 255, 151, 3, 58, 193, 254) (2, 123, 23, 248, 148, 88, 113, 263, 111, 133, 94, 40, 261, 180, 46) (4, 110, 6, 160, 128, 191, 92, 126, 237, 97, 207, 119, 20, 120, 73) (5, 21, 218, 268, 83, 81, 276, 181, 258, 153, 80, 221, 152, 43, 156) (7, 42, 105, 208, 171, 187, 121, 74, 104, 93, 229, 176, 127, 219, 167) (8, 26, 99, 67, 122, 29, 212, 135, 39, 131, 14, 235, 78, 115, 249) (9, 69, 116, 257, 136, 13, 253, 199, 137, 114, 101, 68, 198, 241, 236) (10, 204, 158, 72, 163) (11, 144, 179, 146, 161, 273, 106, 192, 102, 162, 190, 247, 238, 54, 244) (12, 27, 64, 47, 256, 62, 32, 188, 132, 159, 262, 222, 55, 98, 201) (15, 140, 86, 169, 225) (17, 178, 233, 130, 231, 226, 141, 197, 85, 275, 50, 25, 31, 134, 95) (19, 234, 44, 265, 91, 230, 217, 89, 209, 84, 63, 53, 56, 117, 172) (22, 183, 76, 264, 129, 59, 145, 214, 37, 173, 206, 246, 48, 200, 45) (24, 112, 61) (28, 90, 250, 52, 34, 157, 164, 168, 75, 210, 147, 79, 165, 138, 245) ([...]) , (1, 57, 166, 18, 16, 151, 58, 254, 33, 274, 174, 87, 255, 3, 193) (2, 23, 148, 113, 111, 94, 261, 46, 123, 248, 88, 263, 133, 40, 180) (4, 6, 128, 92, 237, 207, 20, 73, 110, 160, 191, 126, 97, 119, 120) (5, 218, 83, 276, 258, 80, 152, 156, 21, 268, 81, 181, 153, 221, 43) (7, 105, 171, 121, 104, 229, 127, 167, 42, 208, 187, 74, 93, 176, 219) (8, 99, 122, 212, 39, 14, 78, 249, 26, 67, 29, 135, 131, 235, 115) (9, 116, 136, 253, 137, 101, 198, 236, 69, 257, 13, 199, 114, 68, 241) (10, 158, 163, 204, 72) (11, 179, 161, 106, 102, 190, 238, 244, 144, 146, 273, 192, 162, 247, 54) (12, 64, 256, 32, 132, 262, 55, 201, 27, 47, 62, 188, 159, 222, 98) (15, 86, 225, 140, 169) (17, 233, 231, 141, 85, 50, 31, 95, 178, 130, 226, 197, 275, 25, 134) (19, 44, 91, 217, 209, 63, 56, 172, 234, 265, 230, 89, 84, 53, 117) (22, 76, 129, 145, 37, 206, 48, 45, 183, 264, 59, 214, 173, 246, 200) (24, 61, 112) (28, 250, 34, 164, 75, 147, 165, 245, 90, 52, 157, 168, 210, 79, 138) ([...]) , (1, 58, 255, 18, 274) (2, 261, 133, 113, 248) (3, 16, 174, 57, 254) (4, 20, 97, 92, 160) (5, 152, 153, 276, 268) (6, 73, 119, 237, 191) (7, 127, 93, 121, 208) (8, 78, 131, 212, 67) (9, 198, 114, 253, 257) (10, 158, 163, 204, 72) (11, 238, 162, 106, 146) (12, 55, 159, 32, 47) (13, 116, 236, 68, 137) (14, 135, 122, 26, 115) (15, 86, 225, 140, 169) (17, 31, 275, 141, 130) (19, 56, 84, 217, 265) (21, 43, 80, 181, 83) (22, 48, 173, 145, 264) (23, 46, 40, 111, 88) (25, 85, 226, 233, 95) (27, 98, 262, 188, 256) (28, 165, 210, 164, 52) (29, 99, 249, 235, 39) (30, 38, 100, 224, 107) (33, 193, 151, 87, 166) (34, 90, 138, 147, 168) (35, 270, 232, 196, 182) (36, 260, 202, 251, 71) (37, 59, 76, 45, 246) (41, 185, 242, 269, 211) (42, 219, 229, 74, 171) (44, 172, 53, 209, 230) (49, 118, 213, 223, 142) (50, 197, 231, 178, 134) (51, 109, 170, 82, 186) (54, 190, 192, 161, 144) (60, 70, 149, 267, 203) (62, 64, 201, 222, 132) (63, 89, 91, 234, 117) ([...]) , (1, 87, 254, 18, 193, 174, 58, 166, 3, 274, 151, 57, 255, 33, 16) (2, 263, 46, 113, 180, 88, 261, 148, 40, 248, 94, 23, 133, 123, 111) (4, 126, 73, 92, 120, 191, 20, 128, 119, 160, 207, 6, 97, 110, 237) (5, 181, 156, 276, 43, 81, 152, 83, 221, 268, 80, 218, 153, 21, 258) (7,

74, 167, 121, 219, 187, 127, 171, 176, 208, 229, 105, 93, 42, 104) (8, 135, 249, 212, 115, 29, 78, 122, 235, 67, 14, 99, 131, 26, 39) (9, 199, 236, 253, 241, 13, 198, 136, 68, 257, 101, 116, 114, 69, 137) (10, 158, 163, 204, 72) (11, 192, 244, 106, 54, 273, 238, 161, 247, 146, 190, 179, 162, 144, 102) (12, 188, 201, 32, 98, 62, 55, 256, 222, 47, 262, 64, 159, 27, 132) (15, 86, 225, 140, 169) (17, 197, 95, 141, 134, 226, 31, 231, 25, 130, 50, 233, 275, 178, 85) (19, 89, 172, 217, 117, 230, 56, 91, 53, 265, 63, 44, 84, 234, 209) (22, 214, 45, 145, 200, 59, 48, 129, 246, 264, 206, 76, 173, 183, 37) (24, 112, 61) (28, 168, 245, 164, 138, 157, 165, 34, 79, 52, 147, 250, 210, 90, 75) ([...]) , (1, 151, 174) (2, 94, 88) (3, 18, 33) (4, 207, 191) (5, 80, 81) (6, 20, 126) (7, 229, 187) (8, 14, 29) (9, 101, 13) (11, 190, 273) (12, 262, 62) (16, 274, 193) (17, 50, 226) (19, 63, 230) (21, 221, 276) (22, 206, 59) (23, 261, 263) (24, 112, 61) (25, 141, 178) (26, 235, 212) (27, 222, 32) (28, 147, 157) (30, 259, 227) (31, 197, 233) (34, 245, 210) (35, 41, 124) (36, 195, 267) (37, 264, 200) (38, 240, 228) (39, 67, 115) (40, 113, 123) (42, 176, 121) (43, 258, 268) (44, 56, 89) (45, 173, 129) (46, 133, 148) (47, 98, 132) (48, 214, 76) (49, 177, 150) (52, 138, 75) (53, 217, 234) (54, 102, 146) (55, 188, 64) (57, 58, 87) (60, 202, 271) (65, 224, 216) (66, 107, 96) (68, 253, 69) (70, 251, 194) (71, 155, 149) (73, 97, 128) (74, 105, 127) (77, 213, 205) (78, 135, 99) (79, 164, 90) (83, 156, 153) (84, 91, 172) (85, 130, 134) (92, 110, 119) (93, 171, 167) (95, 275, 231) (100, 175, 143) (103, 118, 184) (104, 208, 219) (106, 144, 247) (108, 239, 266) (111, 248, 180) ([...]) , (1, 166, 16, 58, 33, 174, 255, 193, 57, 18, 151, 254, 274, 87, 3) (2, 148, 111, 261, 123, 88, 133, 180, 23, 113, 94, 46, 248, 263, 40) (4, 128, 237, 20, 110, 191, 97, 120, 6, 92, 207, 73, 160, 126, 119) (5, 83, 258, 152, 21, 81, 153, 43, 218, 276, 80, 156, 268, 181, 221) (7, 171, 104, 127, 42, 187, 93, 219, 105, 121, 229, 167, 208, 74, 176) (8, 122, 39, 78, 26, 29, 131, 115, 99, 212, 14, 249, 67, 135, 235) (9, 136, 137, 198, 69, 13, 114, 241, 116, 253, 101, 236, 257, 199, 68) (10, 163, 72, 158, 204) (11, 161, 102, 238, 144, 273, 162, 54, 179, 106, 190, 244, 146, 192, 247) (12, 256, 132, 55, 27, 62, 159, 98, 64, 32, 262, 201, 47, 188, 222) (15, 225, 169, 86, 140) (17, 231, 85, 31, 178, 226, 275, 134, 233, 141, 50, 95, 130, 197, 25) (19, 91, 209, 56, 234, 230, 84, 117, 44, 217, 63, 172, 265, 89, 53) (22, 129, 37, 48, 183, 59, 173, 200, 76, 145, 206, 45, 264, 214, 246) (24, 112, 61) (28, 34, 75, 165, 90, 157, 210, 138, 250, 164, 147, 245, 52, 168, 79) ([...]) , (1, 174, 151) (2, 88, 94) (3, 33, 18) (4, 191, 207) (5, 81, 80) (6, 126, 20) (7, 187, 229) (8, 29, 14) (9, 13, 101) (11, 273, 190) (12, 62, 262) (16, 193, 274) (17, 226, 50) (19, 230, 63) (21, 276, 221) (22, 59, 206) (23, 263, 261) (24, 61, 112) (25, 178, 141) (26, 212, 235) (27, 32, 222) (28, 157, 147) (30, 227, 259) (31, 233, 197) (34, 210, 245) (35, 124, 41) (36, 267, 195) (37, 200, 264) (38, 228, 240) (39, 115, 67) (40, 123, 113) (42, 121, 176) (43, 268, 258) (44, 89, 56) (45, 129, 173) (46, 148, 133) (47, 132, 98) (48, 76, 214) (49, 150, 177) (52, 75, 138) (53, 234, 217) (54, 146, 102) (55, 64, 188) (57, 87, 58) (60, 271, 202) (65, 216, 224) (66, 96, 107) (68, 69, 253) (70, 194, 251) (71, 149, 155) (73, 128, 97) (74, 127, 105) (77, 205, 213) (78, 99, 135) (79, 90, 164) (83, 153, 156) (84, 172, 91) (85, 134, 130) (92, 119, 110) (93, 167, 171) (95, 231, 275) (100, 143, 175) (103, 184, 118) (104, 219, 208) (106, 247, 144) (108, 266, 239) (111, 180, 248) ([...]) , (1, 193, 3, 255, 87, 174, 274, 33, 254, 58, 151, 16, 18, 166, 57) (2, 180, 40, 133, 263, 88, 248, 123, 46, 261, 94, 111, 113, 148, 23) (4, 120, 119, 97, 126, 191, 160, 110, 73, 20, 207, 237, 92, 128, 6) (5, 43, 221, 153, 181, 81, 268, 21, 156, 152, 80, 258, 276, 83, 218) (7, 219, 176, 93, 74, 187, 208, 42, 167, 127, 229, 104, 121, 171, 105) (8, 115, 235, 131, 135, 29, 67, 26, 249, 78, 14, 39, 212, 122, 99) (9, 241, 68, 114, 199, 13, 257, 69, 236, 198, 101, 137, 253, 136, 116) (10, 72, 204, 163, 158) (11, 54, 247, 162, 192, 273, 146, 144, 244, 238, 190, 102, 106, 161, 179) (12, 98, 222, 159, 188, 62, 47, 27, 201, 55, 262, 132, 32, 256, 64) (15, 169, 140, 225, 86) (17, 134, 25, 275, 197, 226, 130, 178, 95, 31, 50, 85, 141, 231, 233) (19, 117, 53, 84, 89, 230, 265, 234, 172, 56, 63, 209, 217, 91, 44) (22, 200, 246, 173, 214, 59, 264, 183, 45, 48, 206, 37, 145, 129, 76) (24, 112, 61) (28, 138, 79, 210, 168, 157, 52, 90, 245, 165, 147, 75, 164, 34, 250) ([...]) , (1, 254, 193, 58, 3, 151, 255, 16, 87, 18, 174, 166, 274, 57, 33) (2, 46, 180, 261, 40, 94, 133, 111, 263, 113, 88, 148, 248, 23, 123) (4, 73, 120, 20, 119, 207, 97, 237, 126, 92, 191, 128, 160, 6, 110) (5, 156, 43, 152, 221, 80, 153, 258, 181, 276, 81, 83, 268, 218, 21) (7, 167, 219, 127, 176, 229, 93, 104, 74, 121, 187, 171, 208, 105, 42) (8, 249, 115, 78, 235, 14, 131, 39, 135, 212, 29, 122, 67, 99, 26) (9, 236, 241, 198, 68, 101, 114, 137, 199, 253, 13, 136, 257, 116, 69) (10, 163, 72, 158, 204) (11, 244, 54, 238, 247, 190, 162, 102, 192, 106, 273, 161, 146, 179, 144) (12, 201, 98, 55, 222, 262, 159, 132, 188, 32, 62, 256, 47, 64, 27) (15, 225, 169, 86, 140) (17, 95, 134, 31,

25, 50, 275, 85, 197, 141, 226, 231, 130, 233, 178) (19, 172, 117, 56, 53, 63, 84, 209, 89, 217, 230, 91, 265, 44, 234) (22, 45, 200, 48, 246, 206, 173, 37, 214, 145, 59, 129, 264, 76, 183) (24, 61, 112) (28, 245, 138, 165, 79, 147, 210, 75, 168, 164, 157, 34, 52, 250, 90) ([...]) , (1, 255, 274, 58, 18) (2, 133, 248, 261, 113) (3, 174, 254, 16, 57) (4, 97, 160, 20, 92) (5, 153, 268, 152, 276) (6, 119, 191, 73, 237) (7, 93, 208, 127, 121) (8, 131, 67, 78, 212) (9, 114, 257, 198, 253) (10, 163, 72, 158, 204) (11, 162, 146, 238, 106) (12, 159, 47, 55, 32) (13, 236, 137, 116, 68) (14, 122, 115, 135, 26) (15, 225, 169, 86, 140) (17, 275, 130, 31, 141) (19, 84, 265, 56, 217) (21, 80, 83, 43, 181) (22, 173, 264, 48, 145) (23, 40, 88, 46, 111) (25, 226, 95, 85, 233) (27, 262, 256, 98, 188) (28, 210, 52, 165, 164) (29, 249, 39, 99, 235) (30, 100, 107, 38, 224) (33, 151, 166, 193, 87) (34, 138, 168, 90, 147) (35, 232, 182, 270, 196) (36, 202, 71, 260, 251) (37, 76, 246, 59, 45) (41, 242, 211, 185, 269) (42, 229, 171, 219, 74) (44, 53, 230, 172, 209) (49, 213, 142, 118, 223) (50, 231, 134, 197, 178) (51, 170, 186, 109, 82) (54, 192, 144, 190, 161) (60, 149, 203, 70, 267) (62, 201, 132, 64, 222) (63, 91, 117, 89, 234) ([...]) , (1, 274, 18, 255, 58) (2, 248, 113, 133, 261) (3, 254, 57, 174, 16) (4, 160, 92, 97, 20) (5, 268, 276, 153, 152) (6, 191, 237, 119, 73) (7, 208, 121, 93, 127) (8, 67, 212, 131, 78) (9, 257, 253, 114, 198) (10, 72, 204, 163, 158) (11, 146, 106, 162, 238) (12, 47, 32, 159, 55) (13, 137, 68, 236, 116) (14, 115, 26, 122, 135) (15, 169, 140, 225, 86) (17, 130, 141, 275, 31) (19, 265, 217, 84, 56) (21, 83, 181, 80, 43) (22, 264, 145, 173, 48) (23, 88, 111, 40, 46) (25, 95, 233, 226, 85) (27, 256, 188, 262, 98) (28, 52, 164, 210, 165) (29, 39, 235, 249, 99) (30, 107, 224, 100, 38) (33, 166, 87, 151, 193) (34, 168, 147, 138, 90) (35, 182, 196, 232, 270) (36, 71, 251, 202, 260) (37, 246, 45, 76, 59) (41, 211, 269, 242, 185) (42, 171, 74, 229, 219) (44, 230, 209, 53, 172) (49, 142, 223, 213, 118) (50, 134, 178, 231, 197) (51, 186, 82, 170, 109) (54, 144, 161, 192, 190) (60, 203, 267, 149, 70) (62, 132, 222, 201, 64) (63, 117, 234, 91, 89) ([...]) .

The character table of G^{s_4} :

	10														
$\chi_4^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_4^{(2)}$	1	A	A	1	/A	A	1	/A	/A	/A	A	/A	A	1	1
$\chi_4^{(3)}$	1	/A	/A	1	A	/A	1	A	A	A	/A	A	/A	1	1
$\chi_4^{(4)}$	1	B	/E	B	B	E	E	E	1	/B	1	/E	/B	/B	/E
$\chi_4^{(5)}$	1	C	/G	B	D	F	E	G	/A	/C	A	/F	/D	/B	/E
$\chi_4^{(6)}$	1	D	/F	B	C	G	E	F	A	/D	/A	/G	/C	/B	/E
$\chi_4^{(7)}$	1	E	B	E	E	/B	/B	/B	1	/E	1	B	/E	/E	B
$\chi_4^{(8)}$	1	F	C	E	G	/D	/B	/C	/A	/F	A	D	/G	/E	B
$\chi_4^{(9)}$	1	G	D	E	F	/C	/B	/D	A	/G	/A	C	/F	/E	B
$\chi_4^{(10)}$	1	/E	/B	/E	/E	B	B	B	1	E	1	/B	E	E	/B
$\chi_4^{(11)}$	1	/G	/D	/E	/F	C	B	D	/A	G	A	/C	F	E	/B
$\chi_4^{(12)}$	1	/F	/C	/E	/G	D	B	C	A	F	/A	/D	G	E	/B
$\chi_4^{(13)}$	1	/B	E	/B	/B	/E	/E	/E	1	B	1	E	B	B	E
$\chi_4^{(14)}$	1	/D	F	/B	/C	/G	/E	/F	/A	D	A	G	C	B	E
$\chi_4^{(15)}$	1	/C	G	/B	/D	/F	/E	/G	A	C	/A	F	D	B	E

where $A=E(3)=(-1+ER(-3))/2=b_3$; $B=E(5)^2$; $C=E(15)^{11}$; $D=E(15)$; $E=E(5)^4$; $F=E(15)^2$; $G=E(15)^7$.

The generators of G^{s_5} are:

(1, 274, 18, 255, 58) (2, 248, 113, 133, 261) (3, 254, 57, 174, 16) (4, 160, 92, 97, 20) (5, 268, 276, 153, 152) (6, 191, 237, 119, 73) (7, 208, 121, 93, 127) (8, 67, 212, 131, 78) (9, 257, 253, 114, 198) (10, 72, 204, 163, 158) (11, 146, 106, 162, 238) (12, 47, 32, 159, 55) (13, 137, 68, 236, 116) (14, 115, 26, 122, 135) (15, 169, 140, 225, 86) (17, 130, 141, 275, 31) (19, 265, 217, 84, 56) (21, 83, 181, 80, 43) (22, 264, 145, 173, 48) (23, 88, 111, 40, 46) (25, 95, 233, 226, 85) (27, 256, 188, 262, 98) (28, 52, 164, 210, 165) (29, 39, 235, 249, 99) (30, 107, 224, 100, 38) (33, 166, 87, 151, 193) (34, 168, 147, 138, 90) (35, 182, 196, 232, 270) (36, 71, 251, 202, 260) (37, 246, 45, 76, 59) (41, 211, 269, 242, 185) (42, 171, 74, 229, 219) (44, 230, 209, 53, 172) (49, 142, 223, 213, 118) (50, 134, 178, 231, 197) (51, 186, 82, 170, 109) (54, 144, 161, 192,

190) (60, 203, 267, 149, 70) (62, 132, 222, 201, 64) (63, 117, 234, 91, 89) (65, 143, 228, 227, 66) (69, 136, 199, 101, 241) (75, 79, 245, 250, 157) (77, 103, 150, 125, 252) (81, 258, 221, 156, 218) (94, 180, 123, 148, 263) (96, 216, 175, 240, 259) (102, 247, 244, 179, 273) (104, 176, 167, 105, 187) (110, 128, 126, 207, 120) (124, 220, 243, 189, 272) (129, 214, 206, 200, 183) (139, 195, 155, 194, 271) (154, 205, 184, 177, 215) , (2, 22, 200, 230, 72) (3, 70, 195, 166, 62) (4, 21, 169, 39, 6) (5, 40, 19, 8, 76) (7, 176, 177, 168, 77) (9, 28, 157, 116, 42) (10, 261, 48, 206, 44) (11, 256, 32, 273, 71) (12, 244, 260, 162, 98) (13, 171, 257, 52, 75) (14, 218, 180, 207, 63) (15, 29, 73, 20, 43) (16, 149, 139, 33, 64) (17, 269, 30, 231, 65) (23, 217, 212, 37, 276) (25, 272, 35, 175, 170) (26, 258, 148, 110, 234) (27, 47, 179, 36, 238) (31, 211, 38, 178, 66) (34, 252, 127, 104, 184) (41, 100, 134, 227, 275) (45, 152, 111, 56, 78) (46, 265, 67, 59, 268) (49, 213, 142, 118, 223) (50, 228, 141, 185, 224) (51, 233, 220, 196, 259) (53, 163, 113, 145, 129) (54, 161, 190, 144, 192) (55, 247, 202, 106, 262) (57, 203, 194, 151, 222) (60, 155, 87, 132, 254) (61, 239, 108, 112, 266) (68, 229, 114, 210, 245) (69, 241, 101, 199, 136) (74, 253, 164, 79, 137) (80, 86, 99, 119, 97) (81, 123, 120, 117, 115) (82, 85, 189, 270, 216) (83, 140, 235, 191, 160) (84, 131, 246, 153, 88) (89, 135, 156, 94, 126) (90, 125, 93, 187, 205) (91, 122, 221, 263, 128) (92, 181, 225, 249, 237) (95, 124, 182, 240, 109) (96, 186, 226, 243, 232) (102, 251, 146, 188, 159) (103, 208, 167, 215, 147) (105, 154, 138, 150, 121) (107, 197, 143, 130, 242) (133, 173, 214, 172, 158) (165, 250, 236, 219, 198) (174, 267, 271, 193, 201) (183, 209, 204, 248, 264) , (1, 3, 87, 274, 254, 151, 18, 57, 193, 255, 174, 33, 58, 16, 166) (2, 40, 263, 248, 46, 94, 113, 23, 180, 133, 88, 123, 261, 111, 148) (4, 119, 126, 160, 73, 207, 92, 6, 120, 97, 191, 110, 20, 237, 128) (5, 221, 181, 268, 156, 80, 276, 218, 43, 153, 81, 21, 152, 258, 83) (7, 176, 74, 208, 167, 229, 121, 105, 219, 93, 187, 42, 127, 104, 171) (8, 235, 135, 67, 249, 14, 212, 99, 115, 131, 29, 26, 78, 39, 122) (9, 68, 199, 257, 236, 101, 253, 116, 241, 114, 13, 69, 198, 137, 136) (10, 204, 158, 72, 163) (11, 247, 192, 146, 244, 190, 106, 179, 54, 162, 273, 144, 238, 102, 161) (12, 222, 188, 47, 201, 262, 32, 64, 98, 159, 62, 27, 55, 132, 256) (15, 140, 86, 169, 225) (17, 25, 197, 130, 95, 50, 141, 233, 134, 275, 226, 178, 31, 85, 231) (19, 53, 89, 265, 172, 63, 217, 44, 117, 84, 230, 234, 56, 209, 91) (22, 246, 214, 264, 45, 206, 145, 76, 200, 173, 59, 183, 48, 37, 129) (24, 61, 112) (28, 79, 168, 52, 245, 147, 164, 250, 138, 210, 157, 90, 165, 75, 34) (30, 65, 240, 107, 143, 259, 224, 228, 96, 100, 227, 216, 38, 66, 175) (35, 243, 185, 182, 189, 41, 196, 272, 211, 232, 124, 269, 270, 220, 242) (36, 70, 139, 71, 60, 195, 251, 203, 155, 202, 267, 194, 260, 149, 271) (49, 252, 184, 142, 77, 177, 223, 103, 215, 213, 150, 154, 118, 125, 205) (51, 82, 109, 186, 170) (108, 266, 239)]).

The representatives of conjugacy classes of G^{s_5} are:

() , (2, 22, 200, 230, 72) (3, 70, 195, 166, 62) (4, 21, 169, 39, 6) (5, 40, 19, 8, 76) (7, 176, 177, 168, 77) (9, 28, 157, 116, 42) (10, 261, 48, 206, 44) (11, 256, 32, 273, 71) (12, 244, 260, 162, 98) (13, 171, 257, 52, 75) (14, 218, 180, 207, 63) (15, 29, 73, 20, 43) (16, 149, 139, 33, 64) (17, 269, 30, 231, 65) (23, 217, 212, 37, 276) (25, 272, 35, 175, 170) (26, 258, 148, 110, 234) (27, 47, 179, 36, 238) (31, 211, 38, 178, 66) (34, 252, 127, 104, 184) (41, 100, 134, 227, 275) (45, 152, 111, 56, 78) (46, 265, 67, 59, 268) (49, 213, 142, 118, 223) (50, 228, 141, 185, 224) (51, 233, 220, 196, 259) (53, 163, 113, 145, 129) (54, 161, 190, 144, 192) (55, 247, 202, 106, 262) (57, 203, 194, 151, 222) (60, 155, 87, 132, 254) (61, 239, 108, 112, 266) (68, 229, 114, 210, 245) (69, 241, 101, 199, 136) (74, 253, 164, 79, 137) (80, 86, 99, 119, 97) (81, 123, 120, 117, 115) (82, 85, 189, 270, 216) (83, 140, 235, 191, 160) (84, 131, 246, 153, 88) ([...]) , (2, 72, 230, 200, 22) (3, 62, 166, 195, 70) (4, 6, 39, 169, 21) (5, 76, 8, 19, 40) (7, 77, 168, 177, 176) (9, 42, 116, 157, 28) (10, 44, 206, 48, 261) (11, 71, 273, 32, 256) (12, 98, 162, 260, 244) (13, 75, 52, 257, 171) (14, 63, 207, 180, 218) (15, 43, 20, 73, 29) (16, 64, 33, 139, 149) (17, 65, 231, 30, 269) (23, 276, 37, 212, 217) (25, 170, 175, 35, 272) (26, 234, 110, 148, 258) (27, 238, 36, 179, 47) (31, 66, 178, 38, 211) (34, 184, 104, 127, 252) (41, 275, 227, 134, 100) (45, 78, 56, 111, 152) (46, 268, 59, 67, 265) (49, 223, 118, 142, 213) (50, 224, 185, 141, 228) (51, 259, 196, 220, 233) (53, 129, 145, 113, 163) (54, 192, 144, 190, 161) (55, 262, 106, 202, 247) (57, 222, 151, 194, 203) (60, 254, 132, 87, 155) (61, 266, 112, 108, 239) (68, 245, 210, 114, 229) (69, 136, 199, 101, 241) (74, 137, 79, 164, 253) (80, 97, 119, 99, 86) (81, 115, 117, 120, 123) (82, 216, 270, 189, 85) (83, 160, 191, 235, 140) (84, 88, 153, 246, 131) ([...]) , (2, 200, 72, 22, 230) (3, 195, 62, 70, 166) (4, 169, 6, 21, 39) (5, 19, 76, 40, 8) (7, 177, 77, 176, 168) (9, 157,

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(41, 216) (42, 90) (43, 207) (45, 209) (46, 183) (47, 102) (48, 204) (49, 125) (50, 182) (51, 272) (53, 76) (54, 238) (55, 179) (56, 258) (59, 172) (60, 256) (62, 251) (63, 133) (64, 71) (67, 94) (68, 157) (69, 257) (72, 173) (73, 140) (74, 168) (75, 236) (77, 223) (78, 148) (79, 116)

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16, 11) (4, 218, 160, 81, 92, 258, 97, 221, 20, 156) (5, 45, 268, 76, 276, 59, 153, 37, 152, 246) (6, 173, 191, 48, 237, 22, 119, 264, 73, 145) (7, 184, 208, 177, 121, 215, 93, 154, 127, 205) (8, 249, 67, 99, 212, 29, 131, 39, 78, 235) (9, 77, 257, 103, 253, 150, 114, 125, 198, 252) (10, 26, 72, 122, 204, 135, 163, 14, 158, 115) (13, 165, 137, 28, 68, 52, 236, 164, 116, 210) (15, 111, 169, 40, 140, 46, 225, 23, 86, 88) (17, 95, 130, 233, 141, 226, 275, 85, 31, 25) (19, 206, 265, 200, 217, 183, 84, 129, 56, 214) (21, 172, 83, 44, 181, 230, 80, 209, 43, 53) (24, 108) (27, 179, 256, 273, 188, 102, 262, 247, 98, 244) (30, 211, 107, 269, 224, 242, 100, 185, 38, 41) (33, 267, 166, 149, 87, 70, 151, 60, 193, 203) (34, 74, 168, 229, 147, 219, 138, 42, 90, 171) (35, 227, 182, 66, 196, 65, 232, 143, 270, 228) ([...]) , (1, 12, 64, 87, 106) (2, 217, 152, 214, 115) (3, 192, 195, 71, 273) (4, 40, 249, 258, 89) (5, 206, 26, 248, 84) (6, 172, 180, 126, 163) (7, 121, 127, 208, 93) (8, 45, 169, 173, 83) (9, 223, 79, 168, 184) (10, 237, 230, 148, 120) (11, 255, 159, 222, 33) (13, 103, 69, 176, 229) (14, 261, 265, 153, 129) (15, 145, 21, 78, 246) (16, 161, 139, 36, 179) (17, 211, 82, 220, 175) (18, 32, 132, 193, 238) (19, 276, 183, 135, 133) (20, 111, 235, 81, 91) (22, 80, 212, 59, 225) (23, 29, 156, 117, 92) (24, 108, 266, 112, 61) (25, 227, 30, 232, 178) (27, 256, 188, 262, 98) (28, 210, 52, 165, 164) (31, 41, 186, 124, 216) (34, 205, 198, 142, 75) (35, 197, 233, 65, 224) (37, 86, 264, 43, 131) (38, 196, 134, 85, 228) (39, 218, 234, 97, 88) (42, 68, 125, 199, 105) (44, 123, 207, 158, 191) (46, 99, 221, 63, 160) (47, 62, 151, 162, 274) (48, 181, 67, 76, 140) (49, 157, 90, 154, 114) (50, 226, 143, 100, 182) (51, 272, 96, 275, 185) (53, 94, 128, 204, 73) ([...]) , (1, 16, 255, 57, 274, 3, 58, 174, 18, 254) (2, 117, 133, 89, 248, 234, 261, 63, 113, 91) (4, 26, 97, 14, 160, 122, 20, 115, 92, 135) (5, 39, 153, 99, 268, 235, 152, 29, 276, 249) (6, 140, 119, 15, 191, 225, 73, 169, 237, 86) (7, 28, 93, 210, 208, 52, 127, 165, 121, 164) (8, 148, 131, 180, 67, 263, 78, 123, 212, 94) (9, 101, 114, 136, 257, 241, 198, 199, 253, 69) (10, 264, 163, 48, 72, 145, 158, 22, 204, 173) (11, 54, 162, 192, 146, 144, 238, 190, 106, 161) (12, 179, 159, 247, 47, 273, 55, 244, 32, 102) (13, 79, 236, 157, 137, 245, 116, 75, 68, 250) (17, 31, 275, 141, 130) (19, 258, 84, 218, 265, 221, 56, 81, 217, 156) (21, 207, 80, 128, 83, 120, 43, 126, 181, 110) (23, 183, 40, 206, 88, 129, 46, 200, 111, 214) (24, 61) (25, 38, 226, 224, 95, 30, 85, 100, 233, 107) (27, 149, 262, 203, 256, 70, 98, 267, 188, 60) (33, 194, 151, 195, 166, 271, 193, 155, 87, 139) (34, 42, 138, 229, 168, 171, 90, 219, 147, 74) (35, 231, 232, 134, 182, 197, 270, 178, 196, 50) ([...]) , (1, 16, 262, 244, 132) (2, 204, 234, 97, 128) (3, 98, 179, 222, 274) (4, 207, 113, 158, 89) (5, 206, 59, 235, 225) (6, 26, 84, 180, 80) (7, 184, 42, 101, 253) (8, 209, 173, 23, 156) (9, 93, 154, 229, 136) (10, 63, 160, 120, 133) (11, 70, 166, 71, 54) (12, 32, 55, 47, 159) (13, 90, 118, 252, 165) (14, 265, 263, 83, 119) (15, 276, 183, 246, 99) (17, 175, 220, 50, 143) (18, 254, 27, 273, 201) (19, 148, 21, 237, 135) (20, 126, 248, 163, 91) (22, 111, 81, 212, 172) (24, 61, 239, 112, 266) (25, 109, 30, 232, 242) (28, 137, 34, 49, 77) (29, 169, 153, 129, 45) (31, 216, 124, 197, 65) (33, 36, 190, 238, 149) (35, 41, 233, 186, 224) (37, 249, 86, 268, 200) (38, 196, 269, 85, 170) (39, 140, 152, 214, 76) (40, 258, 131, 44, 264) (43, 191, 122, 56, 123) (46, 221, 78, 230, 145) (48, 88, 218, 67, 53) (51, 107, 270, 185, 95) (52, 68, 168, 142, 103) (57, 256, 102, 64, 255) (58, 174, 188, 247, 62) (60, 87, 251, 144, 146) (66, 275, 96, 272, 231) ([...]) , (1, 18, 58, 274, 255) (2, 113, 261, 248, 133) (3, 57, 16, 254, 174) (4, 92, 20, 160, 97) (5, 276, 152, 268, 153) (6, 237, 73, 191, 119) (7, 121, 127, 208, 93) (8, 212, 78, 67, 131) (9, 253, 198, 257, 114) (10, 204, 158, 72, 163) (11, 106, 238, 146, 162) (12, 32, 55, 47, 159) (13, 68, 116, 137, 236) (14, 26, 135, 115, 122) (15, 140, 86, 169, 225) (17, 141, 31, 130, 275) (19, 217, 56, 265, 84) (21, 181, 43, 83, 80) (22, 145, 48, 264, 173) (23, 111, 46, 88, 40) (25, 233, 85, 95, 226) (27, 188, 98, 256, 262) (28, 164, 165, 52, 210) (29, 235, 99, 39, 249) (30, 224, 38, 107, 100) (33, 87, 193, 166, 151) (34, 147, 90, 168, 138) (35, 196, 270, 182, 232) (36, 251, 260, 71, 202) (37, 45, 59, 246, 76) (41, 269, 185, 211, 242) (42, 74, 219, 171, 229) (44, 209, 172, 230, 53) (49, 223, 118, 142, 213) (50, 178, 197, 134, 231) (51, 82, 109, 186, 170) (54, 161, 190, 144, 192) (60, 267, 70, 203, 149) (62, 222, 64, 132, 201) (63, 234, 89, 117, 91) ([...]) , (1, 27, 146) (2, 88, 140) (3, 161, 70) (4, 268, 264) (5, 22, 20) (6, 206, 91) (7, 125, 241) (9, 49, 52) (10, 99, 135) (11, 58, 98) (12, 166, 202) (13, 138, 105) (14, 72, 29) (15, 133, 46) (16, 144, 149) (18, 188, 162) (19, 246, 21) (23, 169, 261) (24, 239, 61) (25, 178, 109) (26, 163, 235) (28, 198, 118) (30, 189, 232) (32, 151, 36) (33, 251, 55) (34, 104, 68) (35, 224, 124) (37, 43, 56) (38, 243, 196) (39, 115, 204) (40, 86, 113) (41, 216, 65) (42, 250, 205) (44, 258, 207) (45, 83, 265) (47, 87, 260) (48, 97, 152) (50, 82, 226) (51, 95, 231) (53, 218, 128) (54, 267, 174) (57, 190, 203) (59, 80, 84) (60, 254, 192) (62,

271, 179) (63, 237, 183) (64, 194, 244) (66, 185, 96) (69, 208, 252) (71, 159, 193) (73, 214, 234) (74, 75, 177)
 (76, 181, 217) (77, 136, 121) (79, 215, 229) (81, 126, 172) (85, 134, 170) (89, 191, 200) (90, 187, 137) (92,
 153, 173) (93, 103, 199) (100, 220, 182) (101, 127, 150) (102, 222, 195) (106, 274, 256) (107, 272, 270) (108,
 112, 266) ([...]) , (1, 54, 58, 190, 255, 192, 18, 161, 274, 144) (2, 4, 261, 20, 133, 97, 113, 92, 248, 160)
 (3, 32, 16, 47, 174, 12, 57, 55, 254, 159) (5, 221, 152, 258, 153, 81, 276, 218, 268, 156) (6, 145, 73, 264, 119,
 22, 237, 48, 191, 173) (7, 52, 127, 28, 93, 165, 121, 210, 208, 164) (8, 126, 78, 128, 131, 110, 212, 120, 67,
 207) (9, 167, 198, 176, 114, 104, 253, 187, 257, 105) (10, 181, 158, 83, 163, 21, 204, 43, 72, 80) (11, 195, 238,
 139, 162, 271, 106, 194, 146, 155) (13, 90, 116, 138, 236, 147, 68, 168, 137, 34) (14, 111, 135, 88, 122, 23, 26,
 46, 115, 40) (15, 53, 86, 209, 225, 230, 140, 44, 169, 172) (17, 242, 31, 269, 275, 211, 141, 41, 130, 185) (19,
 234, 56, 117, 84, 63, 217, 89, 265, 91) (25, 35, 85, 270, 226, 232, 233, 196, 95, 182) (27, 60, 98, 70, 262, 149,
 188, 267, 256, 203) (29, 206, 99, 214, 249, 129, 235, 183, 39, 200) (30, 65, 38, 66, 100, 227, 224, 228, 107,
 143) (33, 71, 193, 36, 151, 260, 87, 202, 166, 251) ([...]) , (1, 54, 18, 161, 58, 190, 274, 144, 255, 192) (2,
 80, 113, 21, 261, 181, 248, 43, 133, 83) (3, 244, 57, 273, 16, 247, 254, 179, 174, 102) (4, 145, 92, 48, 20, 264,
 160, 173, 97, 22) (5, 123, 276, 263, 152, 180, 268, 148, 153, 94) (6, 200, 237, 129, 73, 206, 191, 183, 119, 214)
 (7, 250, 121, 75, 127, 245, 208, 157, 93, 79) (8, 234, 212, 89, 78, 117, 67, 91, 131, 63) (9, 184, 253, 215, 198,
 205, 257, 177, 114, 154) (10, 169, 204, 225, 158, 15, 72, 140, 163, 86) (11, 193, 106, 166, 238, 151, 146, 33,
 162, 87) (12, 70, 32, 203, 55, 149, 47, 60, 159, 267) (13, 103, 68, 125, 116, 77, 137, 150, 236, 252) (14, 217,
 26, 56, 135, 265, 115, 84, 122, 19) (17, 38, 141, 107, 31, 100, 130, 30, 275, 224) (23, 218, 111, 258, 46, 156,
 88, 81, 40, 221) (25, 96, 233, 175, 85, 259, 95, 216, 226, 240) (27, 139, 188, 155, 98, 271, 256, 195, 262, 194)
 (28, 167, 164, 187, 165, 176, 52, 105, 210, 104) (29, 53, 235, 44, 99, 209, 39, 172, 249, 230) ([...]) , (1, 58,
 255, 18, 274) (2, 261, 133, 113, 248) (3, 16, 174, 57, 254) (4, 20, 97, 92, 160) (5, 152, 153, 276, 268) (6, 73,
 119, 237, 191) (7, 127, 93, 121, 208) (8, 78, 131, 212, 67) (9, 198, 114, 253, 257) (10, 158, 163, 204, 72) (11,
 238, 162, 106, 146) (12, 55, 159, 32, 47) (13, 116, 236, 68, 137) (14, 135, 122, 26, 115) (15, 86, 225, 140, 169)
 (17, 31, 275, 141, 130) (19, 56, 84, 217, 265) (21, 43, 80, 181, 83) (22, 48, 173, 145, 264) (23, 46, 40, 111, 88)
 (25, 85, 226, 233, 95) (27, 98, 262, 188, 256) (28, 165, 210, 164, 52) (29, 99, 249, 235, 39) (30, 38, 100, 224,
 107) (33, 193, 151, 87, 166) (34, 90, 138, 147, 168) (35, 270, 232, 196, 182) (36, 260, 202, 251, 71) (37, 59,
 76, 45, 246) (41, 185, 242, 269, 211) (42, 219, 229, 74, 171) (44, 172, 53, 209, 230) (49, 118, 213, 223, 142)
 (50, 197, 231, 178, 134) (51, 109, 170, 82, 186) (54, 190, 192, 161, 144) (60, 70, 149, 267, 203) (62, 64, 201,
 222, 132) (63, 89, 91, 234, 117) ([...]) , (1, 255, 274, 58, 18) (2, 133, 248, 261, 113) (3, 174, 254, 16, 57) (4,
 97, 160, 20, 92) (5, 153, 268, 152, 276) (6, 119, 191, 73, 237) (7, 93, 208, 127, 121) (8, 131, 67, 78, 212) (9,
 114, 257, 198, 253) (10, 163, 72, 158, 204) (11, 162, 146, 238, 106) (12, 159, 47, 55, 32) (13, 236, 137, 116,
 68) (14, 122, 115, 135, 26) (15, 225, 169, 86, 140) (17, 275, 130, 31, 141) (19, 84, 265, 56, 217) (21, 80, 83,
 43, 181) (22, 173, 264, 48, 145) (23, 40, 88, 46, 111) (25, 226, 95, 85, 233) (27, 262, 256, 98, 188) (28, 210,
 52, 165, 164) (29, 249, 39, 99, 235) (30, 100, 107, 38, 224) (33, 151, 166, 193, 87) (34, 138, 168, 90, 147) (35,
 232, 182, 270, 196) (36, 202, 71, 260, 251) (37, 76, 246, 59, 45) (41, 242, 211, 185, 269) (42, 229, 171, 219,
 74) (44, 53, 230, 172, 209) (49, 213, 142, 118, 223) (50, 231, 134, 197, 178) (51, 170, 186, 109, 82) (54, 192,
 144, 190, 161) (60, 149, 203, 70, 267) (62, 201, 132, 64, 222) (63, 91, 117, 89, 234) ([...]) , (1, 274, 18, 255,
 58) (2, 248, 113, 133, 261) (3, 254, 57, 174, 16) (4, 160, 92, 97, 20) (5, 268, 276, 153, 152) (6, 191, 237, 119,
 73) (7, 208, 121, 93, 127) (8, 67, 212, 131, 78) (9, 257, 253, 114, 198) (10, 72, 204, 163, 158) (11, 146, 106,
 162, 238) (12, 47, 32, 159, 55) (13, 137, 68, 236, 116) (14, 115, 26, 122, 135) (15, 169, 140, 225, 86) (17, 130,
 141, 275, 31) (19, 265, 217, 84, 56) (21, 83, 181, 80, 43) (22, 264, 145, 173, 48) (23, 88, 111, 40, 46) (25, 95,
 233, 226, 85) (27, 256, 188, 262, 98) (28, 52, 164, 210, 165) (29, 39, 235, 249, 99) (30, 107, 224, 100, 38) (33,
 166, 87, 151, 193) (34, 168, 147, 138, 90) (35, 182, 196, 232, 270) (36, 71, 251, 202, 260) (37, 246, 45, 76, 59)
 (41, 211, 269, 242, 185) (42, 171, 74, 229, 219) (44, 230, 209, 53, 172) (49, 142, 223, 213, 118) (50, 134, 178,
 231, 197) (51, 186, 82, 170, 109) (54, 144, 161, 192, 190) (60, 203, 267, 149, 70) (62, 132, 222, 201, 64) (63,
 117, 234, 91, 89) ([...]).

The character table of G^{s_5} :

	10																		20
$\chi_5^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_5^{(2)}$	1	A	/A	B	/B	B	A	/A	1	/B	A	/B	/A	B	/B	1	/A	1	B
$\chi_5^{(3)}$	1	B	/B	/A	A	/A	B	/B	1	A	B	A	/B	/A	A	1	/B	1	/A
$\chi_5^{(4)}$	1	/B	B	A	/A	A	/B	B	1	/A	/B	/A	B	A	/A	1	B	1	A
$\chi_5^{(5)}$	1	/A	A	/B	B	/B	/A	A	1	B	/A	B	A	/B	B	1	A	1	/B
$\chi_5^{(6)}$	3	C	/C	/D	D	.	/G	G	-1	.	.	/F	.	F	-/B	*E	-/A	E	H
$\chi_5^{(7)}$	3	D	/D	C	/C	.	/F	F	-1	.	.	G	.	/G	-/A	E	-B	*E	I
$\chi_5^{(8)}$	3	/D	D	/C	C	.	F	/F	-1	.	.	/G	.	G	-A	E	-/B	*E	/I
$\chi_5^{(9)}$	3	/C	C	D	/D	.	G	/G	-1	.	.	F	.	/F	-B	*E	-A	E	/H
$\chi_5^{(10)}$	3	E	E	*E	*E	.	*E	*E	-1	.	.	E	.	E	-1	E	-1	*E	3
$\chi_5^{(11)}$	3	*E	*E	E	E	.	E	E	-1	.	.	*E	.	*E	-1	*E	-1	E	3
$\chi_5^{(12)}$	3	F	/F	G	/G	.	/D	D	-1	.	.	C	.	/C	-A	*E	-/B	E	/I
$\chi_5^{(13)}$	3	G	/G	/F	F	.	/C	C	-1	.	.	/D	.	D	-B	E	-A	*E	/H
$\chi_5^{(14)}$	3	/G	G	F	/F	.	C	/C	-1	.	.	D	.	/D	-/B	E	-/A	*E	H
$\chi_5^{(15)}$	3	/F	F	/G	G	.	D	/D	-1	.	.	/C	.	C	-/A	*E	-B	E	I
$\chi_5^{(16)}$	4	-1	-1	-1	-1	1	-1	-1	.	1	1	-1	1	-1	.	-1	.	-1	4
$\chi_5^{(17)}$	4	-/B	-B	-A	-/A	A	-/B	-B	.	/A	/B	-/A	B	-A	.	-1	.	-1	J
$\chi_5^{(18)}$	4	-A	-/A	-B	-/B	B	-A	-/A	.	/B	A	-/B	/A	-B	.	-1	.	-1	K
$\chi_5^{(19)}$	4	-/A	-A	-/B	-B	/B	-/A	-A	.	B	/A	-B	A	-/B	.	-1	.	-1	/K
$\chi_5^{(20)}$	4	-B	-/B	-/A	-A	/A	-B	-/B	.	A	B	-A	/B	-/A	.	-1	.	-1	/J
$\chi_5^{(21)}$	5	.	.	.	.	-1	.	.	1	-1	-1	.	-1	.	1	.	1	.	5
$\chi_5^{(22)}$	5	.	.	.	.	-A	.	.	1	-/A	-/B	.	-B	.	/A	.	B	.	L
$\chi_5^{(23)}$	5	.	.	.	.	-B	.	.	1	-/B	-A	.	-/A	.	/B	.	/A	.	M
$\chi_5^{(24)}$	5	.	.	.	.	-/B	.	.	1	-B	-/A	.	-A	.	B	.	A	.	/M
$\chi_5^{(25)}$	5	.	.	.	.	-/A	.	.	1	-A	-B	.	-/B	.	A	.	/B	.	/L

$\chi_5^{(1)}$	1	1	1	1	1
$\chi_5^{(2)}$	B	A	/A	/B	A
$\chi_5^{(3)}$	/A	B	/B	A	B
$\chi_5^{(4)}$	A	/B	B	/A	/B
$\chi_5^{(5)}$	/B	/A	A	B	/A
$\chi_5^{(6)}$	-B	-A	/I	/H	I
$\chi_5^{(7)}$	-A	-/B	H	/I	/H
$\chi_5^{(8)}$	-/A	-B	/H	I	H
$\chi_5^{(9)}$	-/B	-/A	I	H	/I
$\chi_5^{(10)}$	-1	-1	3	3	3
$\chi_5^{(11)}$	-1	-1	3	3	3
$\chi_5^{(12)}$	-/A	-B	/H	I	H
$\chi_5^{(13)}$	-/B	-/A	I	H	/I
$\chi_5^{(14)}$	-B	-A	/I	/H	I
$\chi_5^{(15)}$	-A	-/B	H	/I	/H
$\chi_5^{(16)}$	.	.	4	4	4
$\chi_5^{(17)}$	.	.	K	/J	/K
$\chi_5^{(18)}$	.	.	/J	/K	J
$\chi_5^{(19)}$	.	.	J	K	/J
$\chi_5^{(20)}$	.	.	/K	J	K
$\chi_5^{(21)}$	1	1	5	5	5
$\chi_5^{(22)}$	A	/B	M	/L	/M
$\chi_5^{(23)}$	B	A	/L	/M	L
$\chi_5^{(24)}$	/B	/A	L	M	/L
$\chi_5^{(25)}$	/A	B	/M	L	M

where $A=E(5)^4$; $B=E(5)^3$; $C=-E(5)-E(5)^2$; $D=-E(5)-E(5)^3$; $E=-E(5)-E(5)^4=(1-ER(5))/2=-b_5$; $F=E(5)^2+E(5)^3+E(5)^4$; $G=E(5)+E(5)^3+E(5)^4$; $H=3^*E(5)^3$; $I=3^*E(5)^4$; $J=4^*E(5)^4$; $K=4^*E(5)^3$; $L=5^*E(5)^4$; $M=5^*E(5)^3$.

The generators of G^{s_6} are:

(1, 151, 174) (2, 94, 88) (3, 18, 33) (4, 207, 191) (5, 80, 81) (6, 20, 126) (7, 229, 187) (8, 14, 29) (9, 101, 13) (11, 190, 273) (12, 262, 62) (16, 274, 193) (17, 50, 226) (19, 63, 230) (21, 221, 276) (22, 206, 59) (23, 261, 263) (24, 112, 61) (25, 141, 178) (26, 235, 212) (27, 222, 32) (28, 147, 157) (30, 259, 227) (31, 197, 233) (34, 245, 210) (35, 41, 124) (36, 195, 267) (37, 264, 200) (38, 240, 228) (39, 67, 115) (40, 113, 123) (42, 176, 121) (43, 258, 268) (44, 56, 89) (45, 173, 129) (46, 133, 148) (47, 98, 132) (48, 214, 76) (49, 177, 150) (52, 138, 75) (53, 217, 234) (54, 102, 146) (55, 188, 64) (57, 58, 87) (60, 202, 271) (65, 224, 216) (66, 107, 96) (68, 253, 69) (70, 251, 194) (71, 155, 149) (73, 97, 128) (74, 105, 127) (77, 213, 205) (78, 135, 99) (79, 164, 90) (83, 156, 153) (84, 91, 172) (85, 130, 134) (92, 110, 119) (93, 171, 167) (95, 275, 231) (100, 175, 143) (103, 118, 184) (104, 208, 219) (106, 144, 247) (108, 239, 266) (111, 248, 180) (114, 136, 236) (116, 198, 199) (117, 209, 265) (120, 237, 160) (122, 249, 131) (125, 142, 215) (137, 257, 241) (139, 203, 260) (145, 183, 246) (152, 181, 218) (154, 252, 223) (159, 256, 201) (161, 244, 162) (165, 168, 250) (166, 254, 255) (179, 238, 192) (182, 211, 220) (185, 272, 270) (189, 232, 242) (196, 269, 243) , (3, 8) (4, 7) (6, 13) (9, 20) (11, 21) (12, 22) (14, 18) (17, 19) (23, 26) (25, 28) (29, 33) (30, 37) (31, 36) (34, 38) (39, 75) (40, 74) (42, 45) (43, 53) (44, 57) (46, 54) (47, 73) (48, 68) (49, 71) (50, 63) (51, 72) (52, 67) (56, 58) (59, 62) (60, 65) (66, 78) (69, 76) (70, 77) (79, 91) (82, 86) (83, 93) (84, 90) (85, 92) (87, 89) (96, 99) (97, 98) (101, 126) (102, 133) (104, 139) (105, 113) (106, 125) (107, 135) (108, 137) (109, 140) (110, 130) (111, 120) (114, 131) (115, 138) (116, 117) (119, 134) (121, 129) (122, 136) (123, 127) (128, 132) (141, 147) (142, 144) (145, 152) (146, 148) (149, 150) (153, 167) (154, 179) (155, 177) (156, 171)

(157, 178) (158, 169) (159, 166) (160, 180) (161, 168) (162, 165) (163, 170) (164, 172) (173, 176) (181, 183) (182, 185) (187, 191) (189, 243) (190, 221) (192, 223) (194, 205) (195, 197) (196, 232) (198, 209) (199, 265) (200, 227) (201, 255) (202, 224) (203, 208) (204, 225) (206, 262) (207, 229) (210, 228) (211, 272) (212, 263) (213, 251) (214, 253) (215, 247) (216, 271) (217, 258) (218, 246) (219, 260) (220, 270) (226, 230) (233, 267) (234, 268) (235, 261) (236, 249) (237, 248) (238, 252) (239, 257) (240, 245) (241, 266) (242, 269) (244, 250) (254, 256) (259, 264) (273, 276) , (3, 254, 8, 256) (4, 60, 7, 65) (5, 184) (6, 39, 13, 75) (9, 52, 20, 67) (10, 186) (11, 43, 21, 53) (12, 50, 22, 63) (14, 201, 18, 255) (16, 188) (17, 59, 19, 62) (23, 135, 26, 107) (25, 164, 28, 172) (27, 143) (29, 159, 33, 166) (30, 34, 37, 38) (31, 132, 36, 128) (32, 175) (40, 71, 74, 49) (42, 46, 45, 54) (44, 198, 57, 209) (47, 195, 73, 197) (48, 194, 68, 205) (51, 225, 72, 204) (55, 193) (56, 199, 58, 265) (64, 274) (66, 263, 78, 212) (69, 213, 76, 251) (70, 253, 77, 214) (79, 157, 91, 178) (80, 103) (81, 118) (82, 140, 86, 109) (83, 92, 93, 85) (84, 141, 90, 147) (87, 117, 89, 116) (96, 261, 99, 235) (97, 233, 98, 267) (100, 222) (101, 138, 126, 115) (102, 176, 133, 173) (104, 152, 139, 145) (105, 177, 113, 155) (106, 180, 125, 160) (108, 179, 137, 154) (110, 171, 130, 156) (111, 142, 120, 144) (114, 165, 131, 162) (119, 167, 134, 153) (121, 148, 129, 146) (122, 161, 136, 168) (123, 149, 127, 150) (158, 163, 169, 170) (181, 203, 183, 208) (182, 196, 185, 232) (187, 216, 191, 271) (189, 220, 243, 270) (190, 258, 221, 217) (192, 241, 223, 266) (200, 228, 227, 210) (202, 229, 224, 207) (206, 230, 262, 226) (211, 269, 272, 242) (215, 237, 247, 248) (218, 260, 246, 219) (234, 273, 268, 276) (236, 250, 249, 244) (238, 257, 252, 239) (240, 259, 245, 264) , (2, 40, 74) (3, 18, 33) (4, 39, 276) (6, 275, 13) (7, 273, 75) (8, 29, 14) (9, 20, 231) (10, 72, 51) (11, 52, 229) (12, 230, 165) (15, 169, 158) (16, 116, 117) (17, 206, 161) (19, 168, 262) (21, 207, 67) (22, 162, 226) (23, 267, 44) (24, 272, 211) (25, 222, 28) (26, 57, 233) (27, 157, 178) (30, 227, 259) (31, 235, 58) (32, 147, 141) (34, 236, 83) (35, 242, 269) (36, 56, 261) (37, 264, 200) (38, 93, 249) (41, 189, 243) (42, 223, 258) (43, 121, 252) (45, 217, 192) (46, 183, 216) (47, 78, 70) (48, 118, 68) (49, 241, 203) (50, 59, 244) (53, 238, 129) (54, 271, 181) (60, 218, 102) (61, 185, 182) (62, 63, 250) (65, 133, 246) (66, 73, 77) (69, 76, 103) (71, 208, 266) (79, 90, 164) (82, 86, 186) (84, 91, 172) (85, 142, 180) (87, 197, 212) (88, 123, 127) (89, 263, 195) (92, 160, 144) (94, 113, 105) (95, 101, 126) (96, 128, 205) (97, 213, 107) (98, 135, 251) (99, 194, 132) (100, 166, 159) (104, 239, 149) (106, 119, 237) (108, 155, 219) (110, 120, 247) (111, 130, 215) (112, 270, 220) (114, 156, 245) (115, 221, 191) (122, 228, 167) (124, 232, 196) (125, 248, 134) (131, 240, 171) (136, 153, 210) (137, 260, 177) (138, 187, 190) (139, 150, 257) (143, 255, 201) (145, 224, 148) (146, 202, 152) (154, 268, 176) (173, 234, 179) (175, 254, 256) (184, 253, 214) (193, 199, 265) (198, 209, 274) , (1, 2) (3, 6) (4, 7) (5, 100) (8, 13) (9, 14) (12, 22) (18, 20) (23, 104) (24, 124) (25, 85) (26, 139) (27, 118) (28, 92) (29, 101) (30, 117) (31, 108) (32, 103) (33, 126) (34, 87) (35, 112) (36, 137) (37, 116) (38, 89) (39, 256) (40, 250) (41, 61) (42, 247) (43, 53) (44, 240) (45, 215) (46, 237) (47, 252) (48, 194) (49, 249) (51, 204) (52, 255) (54, 248) (56, 228) (57, 245) (58, 210) (59, 62) (66, 218) (67, 201) (68, 205) (69, 213) (70, 214) (71, 236) (72, 225) (73, 238) (74, 244) (75, 254) (76, 251) (77, 253) (78, 246) (79, 167) (80, 175) (81, 143) (82, 163) (83, 172) (84, 156) (86, 170) (88, 174) (90, 171) (91, 153) (93, 164) (94, 151) (96, 181) (97, 192) (98, 223) (99, 183) (102, 180) (105, 162) (106, 176) (107, 152) (109, 169) (110, 147) (111, 146) (113, 165) (114, 155) (115, 159) (119, 157) (120, 148) (121, 144) (122, 150) (123, 168) (125, 173) (127, 161) (128, 179) (129, 142) (130, 141) (131, 177) (132, 154) (133, 160) (134, 178) (135, 145) (136, 149) (138, 166) (140, 158) (184, 222) (187, 191) (189, 243) (195, 257) (196, 232) (197, 239) (198, 264) (199, 200) (203, 235) (206, 262) (207, 229) (208, 261) (209, 259) (212, 260) (217, 258) (219, 263) (227, 265) (233, 266) (234, 268) (241, 267) (242, 269)]).

The representatives of conjugacy classes of G^{s_6} are:

() , (1, 174, 151) (2, 88, 94) (3, 33, 18) (4, 191, 207) (5, 81, 80) (6, 126, 20) (7, 187, 229) (8, 29, 14) (9, 13, 101) (11, 273, 190) (12, 62, 262) (16, 193, 274) (17, 226, 50) (19, 230, 63) (21, 276, 221) (22, 59, 206) (23, 263, 261) (24, 61, 112) (25, 178, 141) (26, 212, 235) (27, 32, 222) (28, 157, 147) (30, 227, 259) (31, 233, 197) (34, 210, 245) (35, 124, 41) (36, 267, 195) (37, 200, 264) (38, 228, 240) (39, 115, 67) (40, 123, 113)

(42, 121, 176) (43, 268, 258) (44, 89, 56) (45, 129, 173) (46, 148, 133) (47, 132, 98) (48, 76, 214) (49, 150, 177) (52, 75, 138) (53, 234, 217) (54, 146, 102) (55, 64, 188) (57, 87, 58) (60, 271, 202) (65, 216, 224) (66, 96, 107) (68, 69, 253) (70, 194, 251) (71, 149, 155) (73, 128, 97) (74, 127, 105) (77, 205, 213) (78, 99, 135) (79, 90, 164) (83, 153, 156) (84, 172, 91) (85, 134, 130) (92, 119, 110) (93, 167, 171) (95, 231, 275) (100, 143, 175) (103, 184, 118) (104, 219, 208) (106, 247, 144) (108, 266, 239) (111, 180, 248) ([...]) , (1, 151, 174) (2, 94, 88) (3, 18, 33) (4, 207, 191) (5, 80, 81) (6, 20, 126) (7, 229, 187) (8, 14, 29) (9, 101, 13) (11, 190, 273) (12, 262, 62) (16, 274, 193) (17, 50, 226) (19, 63, 230) (21, 221, 276) (22, 206, 59) (23, 261, 263) (24, 112, 61) (25, 141, 178) (26, 235, 212) (27, 222, 32) (28, 147, 157) (30, 259, 227) (31, 197, 233) (34, 245, 210) (35, 41, 124) (36, 195, 267) (37, 264, 200) (38, 240, 228) (39, 67, 115) (40, 113, 123) (42, 176, 121) (43, 258, 268) (44, 56, 89) (45, 173, 129) (46, 133, 148) (47, 98, 132) (48, 214, 76) (49, 177, 150) (52, 138, 75) (53, 217, 234) (54, 102, 146) (55, 188, 64) (57, 58, 87) (60, 202, 271) (65, 224, 216) (66, 107, 96) (68, 253, 69) (70, 251, 194) (71, 155, 149) (73, 97, 128) (74, 105, 127) (77, 213, 205) (78, 135, 99) (79, 164, 90) (83, 156, 153) (84, 91, 172) (85, 130, 134) (92, 110, 119) (93, 171, 167) (95, 275, 231) (100, 175, 143) (103, 118, 184) (104, 208, 219) (106, 144, 247) (108, 239, 266) (111, 248, 180) ([...]) , (1, 95, 2) (3, 155, 110) (4, 179, 132) (5, 100, 16) (6, 147, 114) (7, 154, 128) (8, 177, 130) (9, 178, 122) (11, 152, 107) (12, 144, 129) (13, 141, 131) (14, 150, 134) (17, 180, 102) (18, 149, 119) (19, 160, 133) (20, 157, 136) (21, 145, 135) (22, 142, 121) (23, 43, 139) (24, 61, 112) (25, 249, 101) (26, 53, 104) (27, 55, 118) (28, 236, 126) (29, 49, 85) (30, 77, 89) (31, 65, 108) (32, 64, 103) (33, 71, 92) (34, 214, 116) (35, 41, 124) (36, 60, 137) (37, 70, 87) (38, 253, 117) (39, 84, 165) (40, 83, 159) (42, 206, 215) (44, 259, 213) (45, 262, 247) (46, 230, 237) (47, 207, 238) (48, 199, 210) (50, 111, 146) (51, 86, 158) (52, 79, 161) (54, 226, 248) (56, 227, 205) (57, 264, 251) (58, 200, 194) (59, 125, 176) (62, 106, 173) (63, 120, 148) (66, 273, 218) (67, 91, 168) (68, 265, 228) (69, 209, 240) (72, 82, 169) (73, 229, 252) (74, 93, 166) (75, 90, 162) (76, 198, 245) (78, 276, 246) (80, 175, 274) (81, 143, 193) (88, 174, 231) (94, 151, 275) (96, 190, 181) ([...]) , (1, 231, 94) (2, 174, 275) (3, 71, 119) (4, 192, 47) (5, 143, 274) (6, 28, 136) (7, 223, 73) (8, 49, 134) (9, 141, 249) (11, 218, 96) (12, 106, 45) (13, 25, 122) (14, 177, 85) (16, 81, 175) (17, 248, 146) (18, 155, 92) (19, 237, 148) (20, 147, 236) (21, 246, 99) (22, 125, 42) (23, 268, 203) (24, 112, 61) (26, 234, 208) (27, 64, 184) (29, 150, 130) (30, 205, 44) (31, 216, 239) (32, 188, 118) (33, 149, 110) (34, 48, 198) (36, 271, 257) (37, 194, 57) (38, 68, 209) (39, 172, 168) (40, 153, 256) (43, 260, 261) (46, 63, 160) (50, 180, 54) (51, 86, 158) (52, 90, 244) (53, 219, 235) (55, 103, 222) (56, 259, 77) (58, 264, 70) (59, 215, 121) (60, 241, 195) (62, 247, 129) (65, 266, 197) (66, 190, 152) (67, 84, 250) (69, 117, 228) (72, 82, 169) (74, 167, 254) (75, 164, 161) (76, 116, 210) (78, 221, 145) (79, 162, 138) (80, 100, 193) (83, 201, 113) (87, 200, 251) (88, 151, 95) (89, 227, 213) (91, 165, 115) (93, 255, 105) (97, 229, 154) (98, 207, 179) (101, 178, 131) ([...]) , (1, 275, 88) (2, 151, 231) (3, 149, 92) (4, 238, 98) (5, 175, 193) (6, 157, 236) (7, 252, 97) (8, 150, 85) (9, 25, 131) (11, 181, 66) (12, 247, 173) (13, 178, 249) (14, 49, 130) (16, 80, 143) (17, 111, 54) (18, 71, 110) (19, 120, 46) (20, 28, 114) (21, 183, 78) (22, 215, 176) (23, 258, 260) (26, 217, 219) (27, 188, 103) (29, 177, 134) (30, 213, 56) (31, 224, 266) (32, 55, 184) (33, 155, 119) (34, 76, 199) (35, 124, 41) (36, 202, 241) (37, 251, 58) (38, 69, 265) (39, 91, 250) (40, 156, 201) (42, 59, 142) (43, 203, 263) (44, 227, 77) (45, 62, 144) (47, 191, 179) (48, 116, 245) (50, 248, 102) (51, 86, 158) (52, 164, 162) (53, 208, 212) (57, 200, 70) (60, 257, 267) (63, 237, 133) (64, 118, 222) (65, 239, 233) (67, 172, 165) (68, 117, 240) (72, 82, 169) (73, 187, 154) (74, 171, 255) (75, 79, 244) (81, 100, 274) (83, 256, 123) (84, 168, 115) (87, 264, 194) (89, 259, 205) (90, 161, 138) (93, 254, 127) (94, 174, 95) (96, 273, 152) (99, 276, 145) (101, 141, 122) ([...]) , (1, 98, 261) (2, 192, 203) (3, 137, 199) (4, 268, 275) (5, 219, 125) (6, 115, 146) (7, 55, 62) (8, 166, 120) (9, 197, 30) (10, 186, 15) (11, 153, 251) (12, 229, 188) (13, 31, 227) (14, 254, 237) (16, 234, 59) (17, 28, 91) (18, 257, 116) (19, 85, 167) (20, 39, 54) (21, 79, 69) (22, 274, 53) (23, 174, 47) (24, 61, 112) (25, 216, 213) (26, 121, 175) (27, 173, 128) (29, 255, 160) (32, 45, 97) (33, 241, 198) (34, 149, 195) (35, 124, 41) (36, 210, 155) (37, 66, 113) (38, 78, 75) (40, 200, 96) (42, 143, 235) (43, 231, 207) (44, 249, 266) (46, 150, 105) (48, 110, 60) (49, 127, 133) (50, 147, 172) (51, 86, 158) (52, 240, 135) (56, 131, 108) (57, 152, 201) (58, 181, 159) (63, 130, 93) (64, 262, 187) (65, 205, 141) (67, 102, 126) (68, 221, 164) (70, 273, 156) (71, 267, 245) (73, 222, 129) (74,

148, 177) (76, 92, 271) (77, 178, 224) (80, 104, 142) (81, 208, 215) (83, 194, 190) (84, 226, 157) (87, 218, 256) (88, 238, 139) (89, 122, 239) (90, 253, 276) (94, 179, 260) ([...]) , (1, 47, 263) (2, 238, 260) (3, 241, 116) (4, 258, 231) (5, 208, 142) (6, 67, 54) (7, 64, 12) (8, 255, 237) (9, 31, 259) (10, 186, 15) (11, 156, 194) (13, 233, 30) (14, 166, 160) (16, 217, 22) (17, 157, 172) (18, 137, 198) (19, 134, 93) (20, 115, 102) (21, 90, 68) (23, 151, 98) (24, 112, 61) (25, 224, 205) (26, 176, 143) (27, 45, 73) (28, 84, 50) (29, 254, 120) (32, 129, 128) (33, 257, 199) (34, 155, 267) (35, 41, 124) (36, 245, 149) (37, 96, 123) (38, 99, 52) (39, 146, 126) (40, 264, 66) (42, 175, 212) (43, 275, 191) (44, 122, 108) (46, 177, 127) (48, 92, 202) (49, 105, 148) (51, 86, 158) (53, 59, 193) (55, 262, 229) (56, 249, 239) (57, 218, 159) (58, 152, 256) (60, 76, 119) (62, 187, 188) (63, 85, 171) (65, 213, 178) (69, 276, 164) (70, 190, 153) (71, 195, 210) (74, 133, 150) (75, 228, 135) (77, 141, 216) (78, 138, 240) (79, 253, 221) (80, 219, 215) (81, 104, 125) (83, 251, 273) (87, 181, 201) (88, 179, 203) (89, 131, 266) (91, 226, 147) (94, 192, 139) ([...]) , (1, 132, 23) (2, 179, 139) (3, 257, 198) (4, 43, 95) (5, 104, 215) (6, 39, 102) (7, 188, 262) (8, 254, 160) (9, 233, 227) (10, 186, 15) (11, 83, 70) (12, 187, 55) (13, 197, 259) (14, 255, 120) (16, 53, 206) (17, 147, 84) (18, 241, 199) (19, 130, 171) (20, 67, 146) (21, 164, 253) (22, 193, 234) (25, 65, 77) (26, 42, 100) (27, 129, 97) (28, 172, 226) (29, 166, 237) (30, 101, 31) (32, 173, 73) (33, 137, 116) (34, 71, 36) (37, 107, 40) (38, 135, 138) (44, 131, 239) (45, 128, 222) (46, 49, 74) (47, 261, 151) (48, 119, 271) (50, 157, 91) (51, 86, 158) (52, 228, 78) (54, 126, 115) (56, 122, 266) (57, 181, 256) (58, 218, 201) (59, 274, 217) (60, 214, 92) (62, 229, 64) (63, 134, 167) (66, 123, 200) (68, 276, 79) (69, 221, 90) (75, 240, 99) (76, 110, 202) (80, 208, 125) (81, 219, 142) (85, 93, 230) (87, 152, 159) (88, 192, 260) (89, 249, 108) (94, 238, 203) (96, 113, 264) (98, 263, 174) (103, 106, 252) (105, 133, 177) (109, 225, 163) (111, 136, 168) (114, 165, 180) ([...]) , (1, 85, 250) (2, 49, 172) (3, 32, 213) (4, 166, 54) (5, 138, 70) (6, 258, 160) (7, 108, 34) (8, 39, 275) (9, 271, 144) (10, 186, 15) (11, 104, 38) (12, 122, 267) (13, 202, 106) (14, 67, 231) (16, 244, 37) (17, 238, 105) (18, 27, 205) (19, 114, 261) (20, 268, 120) (21, 159, 42) (22, 246, 123) (23, 230, 236) (24, 61, 112) (25, 137, 45) (26, 253, 152) (28, 139, 46) (29, 115, 95) (30, 92, 184) (31, 214, 154) (33, 222, 77) (35, 41, 124) (36, 262, 249) (40, 206, 145) (43, 237, 126) (44, 155, 64) (47, 171, 180) (48, 223, 233) (50, 192, 127) (52, 194, 81) (53, 117, 107) (55, 56, 149) (57, 175, 90) (58, 143, 79) (59, 183, 113) (60, 247, 101) (62, 131, 195) (63, 136, 263) (65, 116, 128) (66, 234, 265) (68, 218, 212) (69, 181, 235) (71, 188, 89) (73, 224, 198) (74, 226, 179) (75, 251, 80) (76, 252, 197) (78, 153, 142) (83, 215, 135) (84, 94, 177) (87, 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 81, 236, 263, 52, 80, 136, 261, 75) (6, 178, 100, 45, 126, 141, 143, 129, 20, 25, 175, 173) (7, 240, 134, 219,
 187, 38, 130, 208, 229, 228, 85, 104) (8, 49, 76, 65, 29, 150, 214, 216, 14, 177, 48, 224) (9, 257, 101, 241, 13,
 137) (10, 86, 225, 72) (11, 273, 190) (12, 62, 262) (15, 158, 109, 82) (16, 79, 46, 120, 193, 90, 148, 160, 274,
 164, 133, 237) (17, 227, 127, 121, 226, 259, 105, 176, 50, 30, 74, 42) (19, 267, 70, 249, 230, 195, 194, 122, 63,
 36, 251, 131) (21, 22, 118, 32, 276, 59, 103, 222, 221, 206, 184, 27) (24, 272, 243, 124, 61, 185, 269, 41, 112,
 270, 196, 35) (26, 265, 235, 117, 212, 209) (28, 87, 200, 43, 157, 58, 264, 268, 147, 57, 37, 258) (31, 217, 67,
 66, 233, 53, 39, 96, 197, 234, 115, 107) (40, 201, 205, 110, 123, 256, 213, 92, 113, 159, 77, 119) ([...]) , (1,
 165, 239, 210, 151, 168, 266, 34, 174, 250, 108, 245) (2, 68, 198, 181, 94, 253, 199, 218, 88, 69, 116, 152) (3,
 4, 246, 255, 18, 207, 145, 166, 33, 191, 183, 254) (5, 236, 261, 138, 80, 114, 263, 75, 81, 136, 23, 52) (6, 141,
 175, 45, 20, 178, 143, 173, 126, 25, 100, 129) (7, 38, 85, 219, 229, 240, 130, 104, 187, 228, 134, 208) (8, 150,
 48, 65, 14, 49, 214, 224, 29, 177, 76, 216) (9, 137, 13, 241, 101, 257) (10, 86, 225, 72) (11, 190, 273) (12, 262,
 62) (15, 158, 109, 82) (16, 90, 133, 120, 274, 79, 148, 237, 193, 164, 46, 160) (17, 259, 74, 121, 50, 227, 105,
 42, 226, 30, 127, 176) (19, 195, 251, 249, 63, 267, 194, 131, 230, 36, 70, 122) (21, 59, 184, 32, 221, 22, 103,
 27, 276, 206, 118, 222) (24, 185, 196, 124, 112, 272, 269, 35, 61, 270, 243, 41) (26, 209, 212, 117, 235, 265)
 (28, 58, 37, 43, 147, 87, 264, 258, 157, 57, 200, 268) (31, 53, 115, 66, 197, 217, 39, 107, 233, 234, 67, 96) (40,
 256, 77, 110, 113, 201, 213, 119, 123, 159, 205, 92) ([...]) , (1, 250, 266, 210) (2, 69, 199, 181) (3, 191, 145,
 255) (4, 183, 166, 18) (5, 136, 263, 138) (6, 25, 143, 45) (7, 228, 130, 219) (8, 177, 214, 65) (9, 241) (10, 86,
 225, 72) (13, 257) (14, 150, 76, 224) (15, 158, 109, 82) (16, 164, 148, 120) (17, 30, 105, 121) (19, 36, 194,
 249) (20, 141, 100, 173) (21, 206, 103, 32) (22, 184, 222, 276) (23, 75, 80, 236) (24, 270, 269, 124) (26, 117)
 (27, 221, 59, 118) (28, 57, 264, 43) (29, 49, 48, 216) (31, 234, 39, 66) (33, 207, 246, 254) (34, 151, 165, 108)
 (35, 112, 185, 243) (37, 268, 157, 87) (38, 134, 104, 229) (40, 159, 213, 110) (41, 61, 272, 196) (42, 50, 259,
 127) (44, 215, 135, 155) (46, 237, 274, 90) (47, 188, 180, 153) (51, 163, 169, 186) (52, 81, 114, 261) (53, 67,
 107, 197) (54, 179) (55, 248, 156, 132) (56, 125, 99, 149) (58, 200, 258, 147) (60, 203, 247, 161) (63, 195, 70,

131) (64, 111, 83, 98) (68, 116, 218, 94) (71, 89, 142, 78) (73, 252, 91, 231) (74, 176, 226, 227) (77, 92, 123, 201) ([...]) , (1, 40, 62, 244, 2) (3, 275, 13, 29, 126) (4, 273, 75, 256, 276) (5, 166, 187, 115, 100) (6, 18, 231, 9, 8) (7, 39, 175, 80, 254) (10, 72, 225, 51, 204) (11, 52, 201, 21, 207) (12, 162, 94, 151, 113) (14, 20, 33, 95, 101) (15, 169, 109, 158, 140) (16, 116, 264, 209, 30) (17, 206, 19, 168, 127) (22, 230, 165, 105, 226) (23, 239, 212, 177, 240) (24, 232, 124, 272, 211) (25, 142, 53, 121, 92) (26, 150, 228, 261, 266) (27, 68, 96, 54, 134) (28, 160, 246, 70, 184) (31, 155, 156, 91, 210) (32, 69, 107, 146, 130) (34, 197, 149, 153, 172) (35, 270, 220, 112, 242) (36, 260, 87, 236, 208) (37, 117, 227, 193, 199) (38, 263, 108, 235, 49) (41, 185, 182, 61, 189) (42, 110, 141, 215, 217) (43, 238, 77, 214, 47) (44, 171, 164, 249, 241) (45, 111, 202, 152, 97) (46, 106, 154, 99, 216) (48, 132, 268, 179, 205) (50, 59, 63, 250, 74) (56, 167, 90, 131, 137) (57, 114, 219, 195, 139) (58, 136, 104, 267, 203) (60, 218, 73, 129, 180) (65, 133, 144, 252, 78) ([...]) , (1, 123, 12, 244, 88, 151, 40, 262, 162, 2, 174, 113, 62, 161, 94) (3, 95, 9, 29, 20, 18, 275, 101, 8, 126, 33, 231, 13, 14, 6) (4, 190, 52, 256, 221, 207, 273, 138, 201, 276, 191, 11, 75, 159, 21) (5, 255, 7, 115, 143, 80, 166, 229, 39, 100, 81, 254, 187, 67, 175) (10, 72, 225, 51, 204) (15, 169, 109, 158, 140) (16, 199, 200, 209, 227, 274, 116, 37, 265, 30, 193, 198, 264, 117, 259) (17, 22, 63, 168, 105, 50, 206, 230, 250, 127, 226, 59, 19, 165, 74) (23, 108, 26, 177, 38, 261, 239, 235, 150, 240, 263, 266, 212, 49, 228) (24, 189, 35, 272, 182, 112, 232, 41, 270, 211, 61, 242, 124, 185, 220) (25, 125, 217, 121, 119, 141, 142, 234, 42, 92, 178, 215, 53, 176, 110) (27, 69, 66, 54, 130, 222, 68, 107, 102, 134, 32, 253, 96, 146, 85) (28, 237, 145, 70, 118, 147, 160, 183, 251, 184, 157, 120, 246, 194, 103) (31, 71, 153, 91, 245, 197, 155, 83, 172, 210, 233, 149, 156, 84, 34) (36, 203, 57, 236, 104, 195, 260, 58, 114, 208, 267, 139, 87, 136, 219) ([...]) , (1, 113, 262, 244, 94, 174, 40, 12, 161, 2, 151, 123, 62, 162, 88) (3, 231, 101, 29, 6, 33, 275, 9, 14, 126, 18, 95, 13, 8, 20) (4, 11, 138, 256, 21, 191, 273, 52, 159, 276, 207, 190, 75, 201, 221) (5, 254, 229, 115, 175, 81, 166, 7, 67, 100, 80, 255, 187, 39, 143) (10, 72, 225, 51, 204) (15, 169, 109, 158, 140) (16, 198, 37, 209, 259, 193, 116, 200, 117, 30, 274, 199, 264, 265, 227) (17, 59, 230, 168, 74, 226, 206, 63, 165, 127, 50, 22, 19, 250, 105) (23, 266, 235, 177, 228, 263, 239, 26, 49, 240, 261, 108, 212, 150, 38) (24, 242, 41, 272, 220, 61, 232, 35, 185, 211, 112, 189, 124, 270, 182) (25, 215, 234, 121, 110, 178, 142, 217, 176, 92, 141, 125, 53, 42, 119) (27, 253, 107, 54, 85, 32, 68, 66, 146, 134, 222, 69, 96, 102, 130) (28, 120, 183, 70, 103, 157, 160, 145, 194, 184, 147, 237, 246, 251, 118) (31, 149, 83, 91, 34, 233, 155, 153, 84, 210, 197, 71, 156, 172, 245) (36, 139, 58, 236, 219, 267, 260, 57, 136, 208, 195, 203, 87, 114, 104) ([...]) .

	10																		20
$\chi_6^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_6^{(2)}$	-1	1	1	1	1	1	1	1	1	1	1	1	1	-1	-1	-1	-1	-1	-1
$\chi_6^{(3)}$	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_6^{(4)}$	-1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_6^{(5)}$	-1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_6^{(6)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	-1	-1	-1	-1	-1	-1
$\chi_6^{(7)}$	.	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	.	.	.	.	.	.
$\chi_6^{(8)}$	.	-2	H	/H	-2	H	/H	-/I	1	-I	-/I	1	-I	K	L	/L	-/L	-K	-L
$\chi_6^{(9)}$	.	-2	H	/H	-2	H	/H	-/I	1	-I	-/I	1	-I	-K	-L	-/L	/L	K	L
$\chi_6^{(10)}$	.	-2	/H	H	-2	/H	H	-I	1	-/I	-I	1	-/I	K	/L	L	-L	-K	-/L
$\chi_6^{(11)}$	.	-2	/H	H	-2	/H	H	-I	1	-/I	-I	1	-/I	-K	-/L	-L	L	K	/L
$\chi_6^{(12)}$	.	2	-H	-/H	2	-H	-/H	/I	-1	I	/I	-1	I	-1	I	/I	/I	-1	I
$\chi_6^{(13)}$	.	2	-/H	-H	2	-/H	-H	I	-1	/I	I	-1	/I	-1	/I	I	I	-1	/I
$\chi_6^{(14)}$	.	2	-H	-/H	2	-H	-/H	/I	-1	I	/I	-1	I	1	-I	-/I	-/I	1	-I
$\chi_6^{(15)}$	.	2	-/H	-H	2	-/H	-H	I	-1	/I	I	-1	/I	1	-/I	-I	-I	1	-/I
$\chi_6^{(16)}$	.	2	2	2	-1	-1	-1	-1	-1	-1	2	2	2	.	.	.	.	.	.
$\chi_6^{(17)}$	.	2	2	2	-1	-1	-1	-1	-1	-1	2	2	2	.	.	.	.	.	.
$\chi_6^{(18)}$	.	2	2	2	-1	-1	-1	-1	-1	-1	2	2	2	.	.	.	.	.	.
$\chi_6^{(19)}$	.	3	F	/F	.	.	.	.	.	.	/F	3	F	-1	I	/I	/I	-1	I
$\chi_6^{(20)}$	.	3	/F	F	.	.	.	.	.	.	F	3	/F	-1	/I	I	I	-1	/I
$\chi_6^{(21)}$	.	3	F	/F	.	.	.	.	.	.	/F	3	F	1	-I	-/I	-/I	1	-I
$\chi_6^{(22)}$	.	3	/F	F	.	.	.	.	.	.	F	3	/F	1	-/I	-I	-I	1	-/I
$\chi_6^{(23)}$	.	-1	I	/I	2	-H	-/H	-/H	2	-H	/I	-1	I	1	-I	-/I	-/I	1	-I
$\chi_6^{(24)}$	.	-1	/I	I	2	-/H	-H	-H	2	-/H	I	-1	/I	1	-/I	-I	-I	1	-/I
$\chi_6^{(25)}$	.	-1	I	/I	2	-H	-/H	-/H	2	-H	/I	-1	I	-1	I	/I	/I	-1	I
$\chi_6^{(26)}$	.	-1	/I	I	2	-/H	-H	-H	2	-/H	I	-1	/I	-1	/I	I	I	-1	/I
$\chi_6^{(27)}$	.	-4	-4	-4	2	2	2	-1	-1	-1	2	2	2	.	.	.	.	.	.
$\chi_6^{(28)}$	.	4	4	4	-2	-2	-2	1	1	1	-2	-2	-2	.	.	.	.	.	.
$\chi_6^{(29)}$	-2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_6^{(30)}$	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_6^{(31)}$	-1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_6^{(32)}$	-1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_6^{(33)}$	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_6^{(34)}$	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_6^{(35)}$	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_6^{(36)}$	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_6^{(37)}$	.	2	2	2	2	2	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	2
$\chi_6^{(38)}$	.	2	2	2	2	2	2	-1	-1	-1	-1	-1	-1	1	1	1	1	1	-2
$\chi_6^{(39)}$	.	-2	-2	-2	1	1	1	1	1	1	-2	-2	-2	.	.	.	.	.	.
$\chi_6^{(40)}$	.	-2	-2	-2	-2	-2	-2	1	1	1	1	1	1	K	K	K	-K	-K	-K
$\chi_6^{(41)}$	.	-2	-2	-2	-2	-2	-2	1	1	1	1	1	1	-K	-K	-K	K	K	K
$\chi_6^{(42)}$	.	-2	H	/H	-2	H	/H	/H	-2	H	/H	-2	H	.	.	.	.	.	.
$\chi_6^{(43)}$	.	-2	/H	H	-2	/H	H	H	-2	/H	H	-2	/H	.	.	.	.	.	.
$\chi_6^{(44)}$	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_6^{(45)}$	.	-4	J	/J	2	-H	-/H	/I	-1	I	-/H	2	-H	.	.	.	.	.	.
$\chi_6^{(46)}$	.	-4	/J	J	2	-/H	-H	I	-1	/I	-H	2	-/H	.	.	.	.	.	.
$\chi_6^{(47)}$	.	4	J	/J	2	H	/H	/I	1	I	/H	2	H	.	.	.	.	.	.

$\chi_6^{(1)}$	1	1	1	1	1
$\chi_6^{(2)}$	-1	-1	1	1	1
$\chi_6^{(3)}$	.	.	-1	-1	-1
$\chi_6^{(4)}$	.	.	-1	-1	-1
$\chi_6^{(5)}$	1	1	.	.	.
$\chi_6^{(6)}$	-1	-1	.	.	.
$\chi_6^{(7)}$	.	.	1	1	1
$\chi_6^{(8)}$	.	.	1	-I	-/I
$\chi_6^{(9)}$	.	.	1	-I	-/I
$\chi_6^{(10)}$	.	.	1	-/I	-I
$\chi_6^{(11)}$	.	.	1	-/I	-I
$\chi_6^{(12)}$	-/H	2	1	-I	-/I
$\chi_6^{(13)}$	-H	2	1	-/I	-I
$\chi_6^{(14)}$	/H	-2	1	-I	-/I
$\chi_6^{(15)}$	H	-2	1	-/I	-I
$\chi_6^{(16)}$	.	.	.	.	.
$\chi_6^{(17)}$	.	.	.	.	.
$\chi_6^{(18)}$	.	.	.	.	.
$\chi_6^{(19)}$	/I	-1	.	.	.
$\chi_6^{(20)}$	I	-1	.	.	.
$\chi_6^{(21)}$	-/I	1	.	.	.
$\chi_6^{(22)}$	-I	1	.	.	.
$\chi_6^{(23)}$	-/I	1	.	.	.
$\chi_6^{(24)}$	-I	1	.	.	.
$\chi_6^{(25)}$	/I	-1	.	.	.
$\chi_6^{(26)}$	I	-1	.	.	.
$\chi_6^{(27)}$	.	.	.	.	.
$\chi_6^{(28)}$	.	.	.	.	.
$\chi_6^{(29)}$	.	.	.	.	.
$\chi_6^{(30)}$	.	.	.	.	.
$\chi_6^{(31)}$	.	.	.	.	.
$\chi_6^{(32)}$	.	.	.	.	.
$\chi_6^{(33)}$	.	.	.	.	.
$\chi_6^{(34)}$	.	.	.	.	.
$\chi_6^{(35)}$	.	.	-1	I	/I
$\chi_6^{(36)}$	.	.	-1	/I	I
$\chi_6^{(37)}$	2	2	.	.	.
$\chi_6^{(38)}$	-2	-2	.	.	.
$\chi_6^{(39)}$	.	.	.	.	.
$\chi_6^{(40)}$	.	.	.	.	.
$\chi_6^{(41)}$	.	.	.	.	.
$\chi_6^{(42)}$	.	.	.	.	.
$\chi_6^{(43)}$	.	.	.	.	.
$\chi_6^{(44)}$	.	.	.	.	.
$\chi_6^{(45)}$	.	.	.	.	.
$\chi_6^{(46)}$	.	.	.	.	.
$\chi_6^{(47)}$	.	.	.	.	.

where $A=6^*E(3)^2 = -3-3^*ER(-3) = -3-3i3$; $B=15^*E(3)^2 = (-15-15^*ER(-3))/2 = -15-15b3$; $C=24^*E(3)^2 = -12-12^*ER(-3) = -12-12i3$; $D=30^*E(3)^2 = -15-15^*ER(-3) = -15-15i3$; $E=60^*E(3)^2 = -30-30^*ER(-3) = -30-30i3$; $F=3^*E(3)^2 = (-3-3^*ER(-3))/2 = -3-3b3$; $G=12^*E(3)^2 = -6-6^*ER(-3) = -6-6i3$; $H=-2^*E(3)^2 = 1+ER(-3) = 1+i3$; $I=-E(3)^2 = (1+ER(-3))/2 = 1+b3$; $J=-4^*E(3)^2 = 2+2^*ER(-3) = 2+2i3$; $K=-E(12)^7 + E(12)^{11} = ER(3) = r3$; $L=2^*E(12)^7 + E(12)^{11}$.

The generators of G^{s7} are:

(1, 101, 82, 50, 123, 111, 132, 202, 133, 151, 198, 250, 206, 224, 247, 88, 52, 78) (2, 68, 109, 85, 47, 44, 186, 13, 93, 173, 56, 72, 119, 94, 87, 222, 187, 86) (3, 70, 216, 142, 246, 113) (4, 128, 255, 230, 83, 244, 117, 220, 64, 181, 231, 79, 237, 225, 204, 218, 197, 242) (5, 22, 239, 261, 232, 184, 42, 106, 105, 98, 8, 67, 61, 118, 23, 274, 210, 241) (6, 75, 191, 95, 180, 66, 46, 37, 136, 223, 271, 155, 176, 25, 102, 135, 14, 249) (7, 269, 45, 196, 214, 236, 38, 153, 63, 221, 103, 80, 55, 69, 134, 18, 168, 215) (9, 58, 48, 248, 130, 15, 43, 182, 140) (10, 32, 145, 99, 201, 162, 185, 256, 174) (11, 28, 190, 163, 211, 194, 275, 263, 149, 152, 19, 154, 166, 267, 238, 73, 41, 20) (12, 208, 121, 266, 30, 262, 276, 71, 170, 147, 268, 193, 39, 157, 120, 116, 209, 172) (16, 200, 273, 35, 213, 139, 158, 227, 199, 97, 59, 77, 243, 126, 53, 159, 125, 229) (17, 251, 240, 257, 234, 156, 205, 178, 114, 29, 49, 259, 127, 217, 165, 207, 34, 110) (21, 84, 51, 175, 264, 146, 161, 148, 131) (24, 40, 54, 76, 183, 270, 92, 62, 100, 189, 137, 107, 89, 179, 195, 122, 228, 143) (26, 108, 212, 265, 31, 233, 260, 33, 65, 188, 138, 112, 252, 36, 272, 203, 160, 74) (27, 96, 150, 171, 245, 104, 167, 91, 226) (57, 219, 90, 81, 60, 192, 124, 144, 169, 253, 258, 254, 129, 115, 177, 235, 141, 164).

The representatives of conjugacy classes of G^{s7} are:

() , (1, 50, 132, 151, 206, 88) (2, 85, 186, 173, 119, 222) (3, 142) (4, 230, 117, 181, 237, 218) (5, 261, 42, 98, 61, 274) (6, 95, 46, 223, 176, 135) (7, 196, 38, 221, 55, 18) (8, 118, 210, 22, 232, 106) (9, 248, 43) (10, 99, 185) (11, 163, 275, 152, 166, 73) (12, 266, 276, 147, 39, 116) (13, 56, 94, 187, 68, 47) (14, 75, 180, 37, 271, 25) (15, 140, 48) (16, 35, 158, 97, 243, 159) (17, 257, 205, 29, 127, 207) (19, 267, 41, 28, 211, 263) (20, 190, 194, 149, 154, 238) (21, 175, 161) (23, 241, 239, 184, 105, 67) (24, 76, 92, 189, 89, 122) (26, 265, 260, 188, 252, 203) (27, 171, 167) (30, 71, 268, 157, 209, 208) (31, 33, 138, 36, 160, 108) (32, 201, 256) (34, 251, 234, 178, 49, 217) (40, 183, 62, 137, 179, 228) (44, 93, 72, 87, 86, 109) (45, 236, 63, 80, 134, 215) (51, 146, 131) (52, 101, 123, 202, 198, 224) (53, 229, 273, 139, 199, 77) (54, 270, 100, 107, 195, 143) (57, 81, 124, 253, 129, 235) (58, 130, 182) (59, 126, 125, 200, 213, 227) ([...]) , (1, 52, 247, 206, 198, 133, 132, 123, 82) (2, 187, 87, 119, 56, 93, 186, 47, 109) (3, 246, 216) (4, 197, 204, 237, 231, 64, 117, 83, 255) (5, 210, 23, 61, 8, 105, 42, 232, 239) (6, 14, 102, 176, 271, 136, 46, 180, 191) (7, 168, 134, 55, 103, 63, 38, 214, 45) (9, 182, 15, 248, 58, 140, 43, 130, 48) (10, 256, 162, 99, 32, 174, 185, 201, 145) (11, 41, 238, 166, 19, 149, 275, 211, 190) (12, 209, 120, 39, 268, 170, 276, 30, 121) (13, 44, 85, 68, 86, 222, 94, 72, 173) (16, 125, 53, 243, 59, 199, 158, 213, 273) (17, 34, 165, 127, 49, 114, 205, 234, 240) (18, 69, 80, 221, 153, 236, 196, 269, 215) (20, 73, 267, 154, 152, 263, 194, 163, 28) (21, 148, 146, 175, 84, 131, 161, 264, 51) (22, 241, 274, 118, 67, 98, 106, 184, 261) (24, 228, 195, 89, 137, 100, 92, 183, 54) (25, 155, 223, 37, 66, 95, 75, 249, 135) (26, 160, 272, 252, 138, 65, 260, 31, 212) (27, 91, 104, 171, 96, 226, 167, 245, 150) (29, 178, 156, 257, 251, 110, 207, 217, 259) ([...]) , (1, 78, 52, 88, 247, 224, 206, 250, 198, 151, 133, 202, 132, 111, 123, 50, 82, 101) (2, 86, 187, 222, 87, 94, 119, 72, 56, 173, 93, 13, 186, 44, 47, 85, 109, 68) (3, 113, 246, 142, 216, 70) (4, 242, 197, 218, 204, 225, 237, 79, 231, 181, 64, 220, 117, 244, 83, 230, 255, 128) (5, 241, 210, 274, 23, 118, 61, 67, 8, 98, 105, 106, 42, 184, 232, 261, 239, 22) (6, 249, 14, 135, 102, 25, 176, 155, 271, 223, 136, 37, 46, 66, 180, 95, 191, 75) (7, 215, 168, 18, 134, 69, 55, 80, 103, 221, 63, 153, 38, 236, 214, 196, 45, 269) (9, 140, 182, 43, 15, 130, 248, 48, 58) (10, 174, 256, 185, 162, 201, 99, 145, 32) (11, 20, 41, 73, 238, 267, 166, 154, 19, 152, 149, 263, 275, 194, 211, 163, 190, 28) (12, 172, 209, 116, 120, 157, 39, 193, 268, 147, 170, 71, 276, 262, 30, 266, 121, 208) (16, 229, 125, 159, 53, 126, 243, 77, 59, 97, 199, 227, 158, 139, 213, 35, 273, 200) (17, 110, 34, 207, 165, 217, 127, 259, 49, 29, 114, 178, 205, 156, 234, 257, 240, 251) ([...]) , (1, 82, 123, 132, 133, 198, 206, 247, 52) (2, 109, 47, 186, 93, 56, 119, 87, 187) (3, 216, 246) (4, 255, 83, 117, 64, 231, 237, 204, 197) (5, 239, 232, 42, 105, 8, 61, 23, 210) (6, 191, 180, 46, 136, 271, 176, 102, 14) (7, 45, 214, 38, 63, 103, 55, 134, 168) (9, 48, 130, 43, 140, 58, 248, 15, 182) (10, 145, 201, 185, 174, 32, 99, 162, 256) (11, 190, 211, 275, 149, 19, 166, 238, 41) (12, 121, 30, 276,

170, 268, 39, 120, 209) (13, 173, 72, 94, 222, 86, 68, 85, 44) (16, 273, 213, 158, 199, 59, 243, 53, 125) (17, 240, 234, 205, 114, 49, 127, 165, 34) (18, 215, 269, 196, 236, 153, 221, 80, 69) (20, 28, 163, 194, 263, 152, 154, 267, 73) (21, 51, 264, 161, 131, 84, 175, 146, 148) (22, 261, 184, 106, 98, 67, 118, 274, 241) (24, 54, 183, 92, 100, 137, 89, 195, 228) (25, 135, 249, 75, 95, 66, 37, 223, 155) (26, 212, 31, 260, 65, 138, 252, 272, 160) (27, 150, 245, 167, 226, 96, 171, 104, 91) (29, 259, 217, 207, 110, 251, 257, 156, 178) ([...]) , (1, 88, 206, 151, 132, 50) (2, 222, 119, 173, 186, 85) (3, 142) (4, 218, 237, 181, 117, 230) (5, 274, 61, 98, 42, 261) (6, 135, 176, 223, 46, 95) (7, 18, 55, 221, 38, 196) (8, 106, 232, 22, 210, 118) (9, 43, 248) (10, 185, 99) (11, 73, 166, 152, 275, 163) (12, 116, 39, 147, 276, 266) (13, 47, 68, 187, 94, 56) (14, 25, 271, 37, 180, 75) (15, 48, 140) (16, 159, 243, 97, 158, 35) (17, 207, 127, 29, 205, 257) (19, 263, 211, 28, 41, 267) (20, 238, 154, 149, 194, 190) (21, 161, 175) (23, 67, 105, 184, 239, 241) (24, 122, 89, 189, 92, 76) (26, 203, 252, 188, 260, 265) (27, 167, 171) (30, 208, 209, 157, 268, 71) (31, 108, 160, 36, 138, 33) (32, 256, 201) (34, 217, 49, 178, 234, 251) (40, 228, 179, 137, 62, 183) (44, 109, 86, 87, 72, 93) (45, 215, 134, 80, 63, 236) (51, 131, 146) (52, 224, 198, 202, 123, 101) (53, 77, 199, 139, 273, 229) (54, 143, 195, 107, 100, 270) (57, 235, 129, 253, 124, 81) (58, 182, 130) (59, 227, 213, 200, 125, 126) ([...]) , (1, 101, 82, 50, 123, 111, 132, 202, 133, 151, 198, 250, 206, 224, 247, 88, 52, 78) (2, 68, 109, 85, 47, 44, 186, 13, 93, 173, 56, 72, 119, 94, 87, 222, 187, 86) (3, 70, 216, 142, 246, 113) (4, 128, 255, 230, 83, 244, 117, 220, 64, 181, 231, 79, 237, 225, 204, 218, 197, 242) (5, 22, 239, 261, 232, 184, 42, 106, 105, 98, 8, 67, 61, 118, 23, 274, 210, 241) (6, 75, 191, 95, 180, 66, 46, 37, 136, 223, 271, 155, 176, 25, 102, 135, 14, 249) (7, 269, 45, 196, 214, 236, 38, 153, 63, 221, 103, 80, 55, 69, 134, 18, 168, 215) (9, 58, 48, 248, 130, 15, 43, 182, 140) (10, 32, 145, 99, 201, 162, 185, 256, 174) (11, 28, 190, 163, 211, 194, 275, 263, 149, 152, 19, 154, 166, 267, 238, 73, 41, 20) (12, 208, 121, 266, 30, 262, 276, 71, 170, 147, 268, 193, 39, 157, 120, 116, 209, 172) (16, 200, 273, 35, 213, 139, 158, 227, 199, 97, 59, 77, 243, 126, 53, 159, 125, 229) (17, 251, 240, 257, 234, 156, 205, 178, 114, 29, 49, 259, 127, 217, 165, 207, 34, 110) ([...]) , (1, 111, 198, 88, 82, 202, 206, 78, 123, 151, 247, 101, 132, 250, 52, 50, 133, 224) (2, 44, 56, 222, 109, 13, 119, 86, 47, 173, 87, 68, 186, 72, 187, 85, 93, 94) (3, 113, 246, 142, 216, 70) (4, 244, 231, 218, 255, 220, 237, 242, 83, 181, 204, 128, 117, 79, 197, 230, 64, 225) (5, 184, 8, 274, 239, 106, 61, 241, 232, 98, 23, 22, 42, 67, 210, 261, 105, 118) (6, 66, 271, 135, 191, 37, 176, 249, 180, 223, 102, 75, 46, 155, 14, 95, 136, 25) (7, 236, 103, 18, 45, 153, 55, 215, 214, 221, 134, 269, 38, 80, 168, 196, 63, 69) (9, 15, 58, 43, 48, 182, 248, 140, 130) (10, 162, 32, 185, 145, 256, 99, 174, 201) (11, 194, 19, 73, 190, 263, 166, 20, 211, 152, 238, 28, 275, 154, 41, 163, 149, 267) (12, 262, 268, 116, 121, 71, 39, 172, 30, 147, 120, 208, 276, 193, 209, 266, 170, 157) (16, 139, 59, 159, 273, 227, 243, 229, 213, 97, 53, 200, 158, 77, 125, 35, 199, 126) (17, 156, 49, 207, 240, 178, 127, 110, 234, 29, 165, 251, 205, 259, 34, 257, 114, 217) ([...]) , (1, 123, 133, 206, 52, 82, 132, 198, 247) (2, 47, 93, 119, 187, 109, 186, 56, 87) (3, 246, 216) (4, 83, 64, 237, 197, 255, 117, 231, 204) (5, 232, 105, 61, 210, 239, 42, 8, 23) (6, 180, 136, 176, 14, 191, 46, 271, 102) (7, 214, 63, 55, 168, 45, 38, 103, 134) (9, 130, 140, 248, 182, 48, 43, 58, 15) (10, 201, 174, 99, 256, 145, 185, 32, 162) (11, 211, 149, 166, 41, 190, 275, 19, 238) (12, 30, 170, 39, 209, 121, 276, 268, 120) (13, 72, 222, 68, 44, 173, 94, 86, 85) (16, 213, 199, 243, 125, 273, 158, 59, 53) (17, 234, 114, 127, 34, 240, 205, 49, 165) (18, 269, 236, 221, 69, 215, 196, 153, 80) (20, 163, 263, 154, 73, 28, 194, 152, 267) (21, 264, 131, 175, 148, 51, 161, 84, 146) (22, 184, 98, 118, 241, 261, 106, 67, 274) (24, 183, 100, 89, 228, 54, 92, 137, 195) (25, 249, 95, 37, 155, 135, 75, 66, 223) (26, 31, 65, 252, 160, 212, 260, 138, 272) (27, 245, 226, 171, 91, 150, 167, 96, 104) (29, 217, 110, 257, 178, 259, 207, 251, 156) ([...]) , (1, 132, 206) (2, 186, 119) (4, 117, 237) (5, 42, 61) (6, 46, 176) (7, 38, 55) (8, 210, 232) (9, 43, 248) (10, 185, 99) (11, 275, 166) (12, 276, 39) (13, 94, 68) (14, 180, 271) (15, 48, 140) (16, 158, 243) (17, 205, 127) (18, 196, 221) (19, 41, 211) (20, 194, 154) (21, 161, 175) (22, 106, 118) (23, 239, 105) (24, 92, 89) (25, 75, 37) (26, 260, 252) (27, 167, 171) (28, 263, 267) (29, 207, 257) (30, 268, 209) (31, 138, 160) (32, 256, 201) (33, 36, 108) (34, 234, 49) (35, 97, 159) (40, 62, 179) (44, 72, 86) (45, 63, 134) (47, 56, 187) (50, 151, 88) (51, 131, 146) (52, 123, 198) (53, 273, 199) (54, 100, 195) (57, 124, 129) (58, 182, 130) (59, 125, 213) (60, 258, 141) (64, 204, 255) (65, 272, 212) (66, 155, 249) (67, 241, 184) (69, 269, 153) (71, 157, 208) (73, 163, 152) (74, 233, 112) (76, 189, 122) (77, 229, 139) (78, 111, 250) (79, 242, 244) (80, 215, 236) (81, 253, 235) (82, 133, 247) (83, 231, 197) (84, 148, 264)

(85, 173, 222) (87, 109, 93) (90, 169, 177) ([...]) , (1, 133, 52, 132, 247, 123, 206, 82, 198) (2, 93, 187, 186, 87, 47, 119, 109, 56) (3, 216, 246) (4, 64, 197, 117, 204, 83, 237, 255, 231) (5, 105, 210, 42, 23, 232, 61, 239, 8) (6, 136, 14, 46, 102, 180, 176, 191, 271) (7, 63, 168, 38, 134, 214, 55, 45, 103) (9, 140, 182, 43, 15, 130, 248, 48, 58) (10, 174, 256, 185, 162, 201, 99, 145, 32) (11, 149, 41, 275, 238, 211, 166, 190, 19) (12, 170, 209, 276, 120, 30, 39, 121, 268) (13, 222, 44, 94, 85, 72, 68, 173, 86) (16, 199, 125, 158, 53, 213, 243, 273, 59) (17, 114, 34, 205, 165, 234, 127, 240, 49) (18, 236, 69, 196, 80, 269, 221, 215, 153) (20, 263, 73, 194, 267, 163, 154, 28, 152) (21, 131, 148, 161, 146, 264, 175, 51, 84) (22, 98, 241, 106, 274, 184, 118, 261, 67) (24, 100, 228, 92, 195, 183, 89, 54, 137) (25, 95, 155, 75, 223, 249, 37, 135, 66) (26, 65, 160, 260, 272, 31, 252, 212, 138) (27, 226, 91, 167, 104, 245, 171, 150, 96) (29, 110, 178, 207, 156, 217, 257, 259, 251) ([...]) , (1, 151) (2, 173) (3, 142) (4, 181) (5, 98) (6, 223) (7, 221) (8, 22) (11, 152) (12, 147) (13, 187) (14, 37) (16, 97) (17, 29) (18, 38) (19, 28) (20, 149) (23, 184) (24, 189) (25, 180) (26, 188) (30, 157) (31, 36) (33, 160) (34, 178) (35, 243) (39, 266) (40, 137) (41, 263) (42, 274) (44, 87) (45, 80) (46, 135) (47, 94) (49, 251) (50, 206) (52, 202) (53, 139) (54, 107) (55, 196) (56, 68) (57, 253) (59, 200) (60, 115) (61, 261) (62, 228) (63, 215) (64, 242) (65, 74) (66, 102) (67, 239) (69, 214) (70, 246) (71, 209) (72, 109) (73, 275) (75, 271) (76, 89) (77, 273) (78, 133) (79, 255) (81, 129) (82, 250) (83, 225) (85, 119) (86, 93) (88, 132) (90, 254) (92, 122) (95, 176) (100, 143) (101, 198) (103, 269) (105, 241) (106, 210) (108, 138) (110, 114) (111, 247) (112, 212) (113, 216) (116, 276) (117, 218) (118, 232) (120, 262) (121, 193) (123, 224) (124, 235) (125, 227) (126, 213) (127, 257) (128, 231) (134, 236) (136, 249) (141, 144) (153, 168) (154, 190) (155, 191) (156, 165) (158, 159) (163, 166) ([...]) , (1, 198, 82, 206, 123, 247, 132, 52, 133) (2, 56, 109, 119, 47, 87, 186, 187, 93) (3, 246, 216) (4, 231, 255, 237, 83, 204, 117, 197, 64) (5, 8, 239, 61, 232, 23, 42, 210, 105) (6, 271, 191, 176, 180, 102, 46, 14, 136) (7, 103, 45, 55, 214, 134, 38, 168, 63) (9, 58, 48, 248, 130, 15, 43, 182, 140) (10, 32, 145, 99, 201, 162, 185, 256, 174) (11, 19, 190, 166, 211, 238, 275, 41, 149) (12, 268, 121, 39, 30, 120, 276, 209, 170) (13, 86, 173, 68, 72, 85, 94, 44, 222) (16, 59, 273, 243, 213, 53, 158, 125, 199) (17, 49, 240, 127, 234, 165, 205, 34, 114) (18, 153, 215, 221, 269, 80, 196, 69, 236) (20, 152, 28, 154, 163, 267, 194, 73, 263) (21, 84, 51, 175, 264, 146, 161, 148, 131) (22, 67, 261, 118, 184, 274, 106, 241, 98) (24, 137, 54, 89, 183, 195, 92, 228, 100) (25, 66, 135, 37, 249, 223, 75, 155, 95) (26, 138, 212, 252, 31, 272, 260, 160, 65) (27, 96, 150, 171, 245, 104, 167, 91, 226) (29, 251, 259, 257, 217, 156, 207, 178, 110) ([...]) , (1, 202, 247, 50, 198, 78, 132, 224, 82, 151, 52, 111, 206, 101, 133, 88, 123, 250) (2, 13, 87, 85, 56, 86, 186, 94, 109, 173, 187, 44, 119, 68, 93, 222, 47, 72) (3, 70, 216, 142, 246, 113) (4, 220, 204, 230, 231, 242, 117, 225, 255, 181, 197, 244, 237, 128, 64, 218, 83, 79) (5, 106, 23, 261, 8, 241, 42, 118, 239, 98, 210, 184, 61, 22, 105, 274, 232, 67) (6, 37, 102, 95, 271, 249, 46, 25, 191, 223, 14, 66, 176, 75, 136, 135, 180, 155) (7, 153, 134, 196, 103, 215, 38, 69, 45, 221, 168, 236, 55, 269, 63, 18, 214, 80) (9, 182, 15, 248, 58, 140, 43, 130, 48) (10, 256, 162, 99, 32, 174, 185, 201, 145) (11, 263, 238, 163, 19, 20, 275, 267, 190, 152, 41, 194, 166, 28, 149, 73, 211, 154) (12, 71, 120, 266, 268, 172, 276, 157, 121, 147, 209, 262, 39, 208, 170, 116, 30, 193) (16, 227, 53, 35, 59, 229, 158, 126, 273, 97, 125, 139, 243, 200, 199, 159, 213, 77) (17, 178, 165, 257, 49, 110, 205, 217, 240, 29, 34, 156, 127, 251, 114, 207, 234, 259) ([...]) , (1, 206, 132) (2, 119, 186) (4, 237, 117) (5, 61, 42) (6, 176, 46) (7, 55, 38) (8, 232, 210) (9, 248, 43) (10, 99, 185) (11, 166, 275) (12, 39, 276) (13, 68, 94) (14, 271, 180) (15, 140, 48) (16, 243, 158) (17, 127, 205) (18, 221, 196) (19, 211, 41) (20, 154, 194) (21, 175, 161) (22, 118, 106) (23, 105, 239) (24, 89, 92) (25, 37, 75) (26, 252, 260) (27, 171, 167) (28, 267, 263) (29, 257, 207) (30, 209, 268) (31, 160, 138) (32, 201, 256) (33, 108, 36) (34, 49, 234) (35, 159, 97) (40, 179, 62) (44, 86, 72) (45, 134, 63) (47, 187, 56) (50, 88, 151) (51, 146, 131) (52, 198, 123) (53, 199, 273) (54, 195, 100) (57, 129, 124) (58, 130, 182) (59, 213, 125) (60, 141, 258) (64, 255, 204) (65, 212, 272) (66, 249, 155) (67, 184, 241) (69, 153, 269) (71, 208, 157) (73, 152, 163) (74, 112, 233) (76, 122, 189) (77, 139, 229) (78, 250, 111) (79, 244, 242) (80, 236, 215) (81, 235, 253) (82, 247, 133) (83, 197, 231) (84, 264, 148) (85, 222, 173) (87, 93, 109) (90, 177, 169) ([...]) , (1, 224, 133, 50, 52, 250, 132, 101, 247, 151, 123, 78, 206, 202, 82, 88, 198, 111) (2, 94, 93, 85, 187, 72, 186, 68, 87, 173, 47, 86, 119, 13, 109, 222, 56, 44) (3, 70, 216, 142, 246, 113) (4, 225, 64, 230, 197, 79, 117, 128, 204, 181, 83, 242, 237, 220, 255, 218, 231, 244) (5, 118, 105, 261, 210, 67, 42, 22, 23, 98, 232, 241, 61, 106, 239, 274, 8, 184) (6, 25, 136, 95,

14, 155, 46, 75, 102, 223, 180, 249, 176, 37, 191, 135, 271, 66) (7, 69, 63, 196, 168, 80, 38, 269, 134, 221, 214, 215, 55, 153, 45, 18, 103, 236) (9, 130, 140, 248, 182, 48, 43, 58, 15) (10, 201, 174, 99, 256, 145, 185, 32, 162) (11, 267, 149, 163, 41, 154, 275, 28, 238, 152, 211, 20, 166, 263, 190, 73, 19, 194) (12, 157, 170, 266, 209, 193, 276, 208, 120, 147, 30, 172, 39, 71, 121, 116, 268, 262) (16, 126, 199, 35, 125, 77, 158, 200, 53, 97, 213, 229, 243, 227, 273, 159, 59, 139) (17, 217, 114, 257, 34, 259, 205, 251, 165, 29, 234, 110, 127, 178, 240, 207, 49, 156) ([...]) , (1, 247, 198, 132, 82, 52, 206, 133, 123) (2, 87, 56, 186, 109, 187, 119, 93, 47) (3, 216, 246) (4, 204, 231, 117, 255, 197, 237, 64, 83) (5, 23, 8, 42, 239, 210, 61, 105, 232) (6, 102, 271, 46, 191, 14, 176, 136, 180) (7, 134, 103, 38, 45, 168, 55, 63, 214) (9, 15, 58, 43, 48, 182, 248, 140, 130) (10, 162, 32, 185, 145, 256, 99, 174, 201) (11, 238, 19, 275, 190, 41, 166, 149, 211) (12, 120, 268, 276, 121, 209, 39, 170, 30) (13, 85, 86, 94, 173, 44, 68, 222, 72) (16, 53, 59, 158, 273, 125, 243, 199, 213) (17, 165, 49, 205, 240, 34, 127, 114, 234) (18, 80, 153, 196, 215, 69, 221, 236, 269) (20, 267, 152, 194, 28, 73, 154, 263, 163) (21, 146, 84, 161, 51, 148, 175, 131, 264) (22, 274, 67, 106, 261, 241, 118, 98, 184) (24, 195, 137, 92, 54, 228, 89, 100, 183) (25, 223, 66, 75, 135, 155, 37, 95, 249) (26, 272, 138, 260, 212, 160, 252, 65, 31) (27, 104, 96, 167, 150, 91, 171, 226, 245) (29, 156, 251, 207, 259, 178, 257, 110, 217) ([...]) , (1, 250, 123, 88, 133, 101, 206, 111, 52, 151, 82, 224, 132, 78, 198, 50, 247, 202) (2, 72, 47, 222, 93, 68, 119, 44, 187, 173, 109, 94, 186, 86, 56, 85, 87, 13) (3, 113, 246, 142, 216, 70) (4, 79, 83, 218, 64, 128, 237, 244, 197, 181, 255, 225, 117, 242, 231, 230, 204, 220) (5, 67, 232, 274, 105, 22, 61, 184, 210, 98, 239, 118, 42, 241, 8, 261, 23, 106) (6, 155, 180, 135, 136, 75, 176, 66, 14, 223, 191, 25, 46, 249, 271, 95, 102, 37) (7, 80, 214, 18, 63, 269, 55, 236, 168, 221, 45, 69, 38, 215, 103, 196, 134, 153) (9, 48, 130, 43, 140, 58, 248, 15, 182) (10, 145, 201, 185, 174, 32, 99, 162, 256) (11, 154, 211, 73, 149, 28, 166, 194, 41, 152, 190, 267, 275, 20, 19, 163, 238, 263) (12, 193, 30, 116, 170, 208, 39, 262, 209, 147, 121, 157, 276, 172, 268, 266, 120, 71) (16, 77, 213, 159, 199, 200, 243, 139, 125, 97, 273, 126, 158, 229, 59, 35, 53, 227) (17, 259, 234, 207, 114, 251, 127, 156, 34, 29, 240, 217, 205, 110, 49, 257, 165, 178) ([...]) .

The character table of G^{s_7} :

	10																
$\chi_7^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_7^{(2)}$	1	-1	1	-1	1	-1	-1	-1	1	1	1	-1	1	-1	1	-1	-1
$\chi_7^{(3)}$	1	1	A	/A	/A	1	A	/A	A	1	/A	1	A	A	1	A	/A
$\chi_7^{(4)}$	1	-1	A	-/A	/A	-1	-A	-/A	A	1	/A	-1	A	-A	1	-A	/A
$\chi_7^{(5)}$	1	1	/A	A	A	1	/A	A	/A	1	A	1	/A	/A	1	/A	A
$\chi_7^{(6)}$	1	-1	/A	-A	A	-1	-/A	-A	/A	1	A	-1	/A	-/A	1	-/A	A
$\chi_7^{(7)}$	1	A	B	/C	/B	/A	C	/D	D	/A	/C	1	C	B	A	D	/D
$\chi_7^{(8)}$	1	-A	B	-/C	/B	-/A	-C	-/D	D	/A	/C	-1	C	-B	A	-D	/D
$\chi_7^{(9)}$	1	A	C	/D	/C	/A	D	/B	B	/A	/D	1	D	C	A	B	/B
$\chi_7^{(10)}$	1	-A	C	-/D	/C	-/A	-D	-/B	B	/A	/D	-1	D	-C	A	-B	/B
$\chi_7^{(11)}$	1	A	D	/B	/D	/A	B	/C	C	/A	/B	1	B	D	A	C	/C
$\chi_7^{(12)}$	1	-A	D	-/B	/D	-/A	-B	-/C	C	/A	/B	-1	B	-D	A	-C	/C
$\chi_7^{(13)}$	1	/A	/D	B	D	A	/B	C	/C	A	B	1	/B	/D	/A	/C	C
$\chi_7^{(14)}$	1	-/A	/D	-B	D	-A	-/B	-C	/C	A	B	-1	/B	-/D	/A	-/C	C
$\chi_7^{(15)}$	1	/A	/C	D	C	A	/D	B	/B	A	D	1	/D	/C	/A	/B	B
$\chi_7^{(16)}$	1	-/A	/C	-D	C	-A	-/D	-B	/B	A	D	-1	/D	-/C	/A	-/B	B
$\chi_7^{(17)}$	1	/A	/B	C	B	A	/C	D	/D	A	C	1	/C	/B	/A	/D	D
$\chi_7^{(18)}$	1	-/A	/B	-C	B	-A	-/C	-D	/D	A	C	-1	/C	-/B	/A	-/D	D

where $A=E(3)^2=(-1-ER(-3))/2=-1-b_3$; $B=-E(9)^2-E(9)^5$; $C=E(9)^5$; $D=E(9)^2$.

The representatives of conjugacy classes of G^{s_8} are:

() , (2, 17) (3, 70) (6, 39) (7, 76) (9, 192) (10, 220) (11, 257) (12, 46) (13, 267) (14, 268) (15, 219) (16, 69) (18, 273) (19, 217) (20, 72) (21, 274) (22, 264) (24, 77) (25, 65) (26, 66) (27, 78) (28, 94) (29, 275) (30, 271) (31, 223) (32, 242) (33, 116) (34, 187) (35, 137) (36, 266) (37, 212) (38, 189) (40, 168) (41, 251) (43, 254)

(44, 154) (45, 270) (47, 234) (48, 144) (49, 56) (50, 245) (51, 241) (53, 221) (54, 126) (55, 122) (58, 235) (59, 236) (62, 214) (63, 107) (67, 146) (68, 263) (71, 74) (73, 173) (75, 272) (79, 201) (80, 125) (81, 182) (84, 106) (85, 152) (86, 194) (87, 165) (88, 91) (89, 139) (92, 229) (93, 114) (95, 160) (96, 151) (97, 228) (98, 175) (99, 128) (100, 200) (101, 150) (102, 170) (103, 179) (104, 224) (108, 147) (109, 240) (110, 238) (111, 167) (112, 208) (113, 246) (115, 140) (118, 148) (119, 127) (120, 191) (121, 136) (130, 253) (131, 184) (134, 143) (135, 138) (142, 216) (145, 181) (149, 259) (153, 243) (155, 260) (156, 190) (157, 233) (158, 269) (159, 183) (161, 261) ([...]) , (1, 7, 270, 132, 38, 107, 206, 55, 143) (2, 43, 68, 186, 248, 13, 119, 9, 94) (4, 233, 116, 117, 112, 266, 237, 74, 147) (5, 184, 84, 42, 67, 148, 61, 241, 264) (6, 174, 75, 46, 162, 37, 176, 145, 25) (8, 274, 51, 210, 261, 131, 232, 98, 146) (10, 155, 14, 185, 249, 180, 99, 66, 271) (11, 156, 60, 275, 259, 258, 166, 110, 141) (12, 26, 244, 276, 260, 79, 39, 252, 242) (15, 173, 87, 48, 222, 109, 140, 85, 93) (16, 139, 226, 158, 77, 104, 243, 229, 150) (17, 194, 115, 205, 154, 219, 127, 20, 144) (18, 202, 228, 196, 224, 183, 221, 101, 137) (19, 207, 177, 41, 257, 90, 211, 29, 169) (21, 23, 22, 161, 239, 106, 175, 105, 118) (24, 236, 88, 92, 80, 50, 89, 215, 151) (27, 125, 35, 167, 213, 97, 171, 59, 159) (28, 253, 240, 263, 235, 114, 267, 81, 165) (30, 31, 181, 268, 138, 218, 209, 160, 230) (32, 95, 136, 256, 223, 102, 201, 135, 191) (33, 172, 64, 36, 262, 204, 108, 193, 255) (34, 163, 254, 234, 152, 164, 49, 73, 192) (40, 82, 45, 62, 133, 63, 179, 247, 134) ([...]) , (1, 7, 123, 214, 133, 63, 206, 55, 52, 168, 82, 45, 132, 38, 198, 103, 247, 134) (2, 194, 47, 152, 93, 267, 119, 20, 187, 163, 109, 263, 186, 154, 56, 73, 87, 28) (3, 113, 246, 142, 216, 70) (4, 233, 83, 188, 64, 36, 237, 74, 197, 265, 255, 33, 117, 112, 231, 203, 204, 108) (5, 184, 232, 98, 105, 118, 61, 241, 210, 261, 239, 106, 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(38, 229, 111) (39, 116, 99) (40, 91, 228) (41, 187, 115) (43, 165, 110) (44, 154, 177) (45, 126, 101) (47, 219, 211) (48, 49, 217) (50, 214, 159) (51, 146, 131) (52, 125, 80) (53, 221, 247) (54, 270, 150) (55, 139, 250) (57, 173, 73) (59, 236, 198) (62, 245, 183) (63, 200, 202) (67, 241, 184) (68, 263, 258) (74, 271, 79) (75, 272, 204) (81, 275, 186) (84, 264, 148) (85, 152, 129) (86, 194, 169) (87, 254, 238) (88, 168, 97) (89, 122, 171) (92, 189, 167) (93, 192, 149) (95, 160, 197) (96, 137, 179) (98, 274, 261) (100, 107, 226) (102, 218, 265) (104, 195, 143) (108, 176, 225) (109, 164, 190) ([...]) , (1, 18, 213, 132, 196, 59, 206, 221, 125) (2, 190, 219, 186, 149, 144, 119, 238, 115) (3, 216, 246) (4, 212, 223, 117, 65, 135, 237, 272, 95) (5, 239, 232, 42, 105, 8, 61, 23, 210) (6, 188, 244, 46, 203, 79, 176, 265, 242) (7, 101, 159, 38, 202, 35, 55, 224, 97) (9, 217, 127, 43, 251, 17, 248, 178, 205) (10, 262, 30, 185, 193, 268, 99, 172, 209) (11, 164, 47, 275, 192, 56, 166, 254, 187) (12, 145, 71, 276, 174, 157, 39, 162, 208) (13, 57, 20, 94, 124, 194, 68, 129, 154) (14, 33, 230, 180, 36, 181, 271, 108, 218) (15, 29, 114, 48, 207, 165, 140, 257, 240) (16, 82, 215, 158, 133, 236, 243, 247, 80) (19, 253, 87, 41, 235, 109, 211, 81, 93) (21, 131, 148, 161, 146, 264, 175, 51, 84) (22, 274, 67, 106, 261, 241, 118, 98, 184) (24, 150, 62, 92, 226, 179, 89, 104, 40) (25, 231, 252, 75, 197, 26, 37, 83, 260) (27, 270, 183, 167, 107, 137, 171, 143, 228) (28, 222, 169, 263, 85, 177, 267, 173, 90) (31, 155, 64, 138, 249, 204, 160, 66, 255) ([...]) , (1, 24, 198, 137, 82, 54, 206, 89, 123, 183, 247, 195, 132, 92, 52, 228, 133, 100) (2, 87, 56, 186, 109, 187, 119, 93, 47) (3, 70, 246, 113, 216, 142) (4, 268, 231, 121, 255, 39, 237, 30, 83, 120, 204, 276, 117, 209, 197, 170, 64, 12) (5, 146, 8, 161, 239, 148, 61, 131, 232, 21, 23, 84, 42, 51, 210, 175, 105, 264) (6, 102, 271, 46, 191, 14, 176, 136, 180) (7, 101, 103, 250, 45, 50, 55, 224, 214, 111, 134, 88, 38, 202, 168, 78, 63, 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 (32, 157, 201, 71, 256, 208) (33, 95, 108, 135, 36, 223) (34, 234, 49) (40, 96, 179, 245, 62, 91) (44, 238, 86,
 149, 72, 190) (45, 125, 134, 59, 63, 213) (47, 60, 187, 141, 56, 258) (50, 153, 88, 269, 151, 69) ([...]) , (1,
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 43) (21, 42, 98) (22, 84, 210) (23, 241, 131) (24, 82, 139) (25, 79, 71) (26, 265, 145) (27, 196, 38) (28, 211,
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 (63, 150, 236) (66, 230, 172) (68, 115, 251) (69, 168, 96) (70, 142, 113) (72, 192, 259) (74, 256, 272) (75, 242,
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 165, 177) (94, 144, 217) (95, 128, 116) (97, 183, 132) ([...]) , (1, 40, 168) (2, 222, 130) (3, 216, 246) (4, 193,
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 (13, 15, 56) (14, 25, 201) (16, 245, 35) (17, 253, 163) (18, 89, 111) (19, 258, 217) (20, 165, 192) (21, 274, 61)

(22, 210, 264) (23, 51, 241) (24, 250, 196) (26, 121, 230) (27, 229, 53) (28, 34, 144) (29, 275, 124) (30, 244, 212) (31, 276, 220) (32, 180, 75) (33, 83, 116) (36, 231, 266) (37, 256, 271) (38, 133, 189) (39, 225, 138) (41, 141, 251) (42, 175, 98) (43, 109, 86) (44, 248, 93) (45, 123, 270) (46, 95, 99) (47, 68, 140) (48, 187, 94) (49, 219, 267) (50, 69, 137) (52, 143, 134) (54, 224, 236) (55, 247, 122) (58, 186, 85) (59, 104, 126) (60, 178, 211) (62, 214, 132) (63, 198, 107) (64, 208, 112) (65, 268, 79) (66, 162, 136) (67, 105, 146) (70, 113, 142) (71, 74, 204) (73, 127, 81) (77, 199, 171) (78, 221, 92) (80, 100, 101) (84, 106, 232) (88, 153, 183) (90, 156, 190) (91, 159, 243) ([...]) , (1, 45, 189, 206, 134, 76, 132, 63, 122) (2, 140, 44, 119, 48, 86, 186, 15, 72) (3, 216, 246) (4, 33, 208, 237, 108, 157, 117, 36, 71) (5, 106, 146, 61, 22, 131, 42, 118, 51) (6, 32, 66, 176, 201, 249, 46, 256, 155) (7, 62, 198, 55, 40, 123, 38, 179, 52) (8, 241, 161, 232, 67, 21, 210, 184, 175) (9, 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(36, 276, 135) (37, 233, 209) (38, 89, 199) (39, 95, 108) (40, 269, 97) (42, 98, 161) (43, 177, 164) (44, 238, 240) (45, 100, 213) (46, 266, 160) (47, 178, 263) (48, 258, 115) (49, 94, 211) (51, 239, 184) (52, 101, 104) (54, 125, 134) (56, 217, 267) (57, 81, 58) (59, 63, 195) (61, 274, 175) (62, 153, 159) (64, 79, 256) (66, 265, 120) (67, 131, 105) (70, 142, 113) (71, 212, 271) (72, 190, 114) (73, 119, 207) (74, 268, 75) (76, 196, 77) (78, 171, 247) (80, 200, 107) (83, 220, 99) (86, 149, 165) (88, 96, 206) (90, 192, 248) ([...]) , (1, 52, 247, 206, 198, 133, 132, 123, 82) (2, 34, 87, 127, 56, 114, 186, 234, 109, 17, 187, 165, 119, 49, 93, 205, 47, 240) (3, 113, 216, 70, 246, 142) (4, 197, 204, 237, 231, 64, 117, 83, 255) (5, 210, 23, 61, 8, 105, 42, 232, 239) (6, 268, 102, 276, 271, 121, 46, 209, 191, 39, 14, 170, 176, 30, 136, 12, 180, 120) (7, 40, 134, 122, 103, 107, 38, 62, 45, 76, 168, 143, 55, 179, 63, 189, 214, 270) (9, 81, 15, 164, 58, 115, 43, 253, 48, 192, 182, 219, 248, 235, 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The character table of G^{ss} :

	10										20									
$\chi_8^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_8^{(2)}$	1	-1	1	-1	1	1	-1	1	1	-1	-1	1	1	1	-1	-1	1	-1	1	1
$\chi_8^{(3)}$	1	-1	A	-A	1	A	-A	A	A	-A	-1	1	1	/A	-/A	-1	1	-/A	/A	/A
$\chi_8^{(4)}$	1	-1	/A	-/A	1	/A	-/A	/A	/A	-/A	-1	1	1	A	-A	-1	1	-A	A	A
$\chi_8^{(5)}$	1	1	A	A	1	A	A	A	A	A	1	1	1	/A	/A	1	1	/A	/A	/A
$\chi_8^{(6)}$	1	1	/A	/A	1	/A	/A	/A	/A	/A	1	1	1	A	A	1	1	A	A	A
$\chi_8^{(7)}$	2	.	-1	.	-1	-1	.	2	-1	.	.	2	-1	-1	.	.	-1	.	2	2
$\chi_8^{(8)}$	2	.	-1	.	2	2	.	-1	-1	.	.	-1	-1	-1	.	.	-1	.	2	-1
$\chi_8^{(9)}$	2	.	-1	.	-1	-1	.	-1	2	.	.	-1	-1	-1	.	.	2	.	2	-1
$\chi_8^{(10)}$	2	.	2	.	-1	-1	.	-1	-1	.	.	-1	2	2	.	.	-1	.	2	-1
$\chi_8^{(11)}$	2	.	-/A	.	-1	-/A	.	/B	-/A	.	.	2	-1	-A	.	.	-1	.	B	B
$\chi_8^{(12)}$	2	.	-A	.	-1	-A	.	B	-A	.	.	2	-1	-/A	.	.	-1	.	/B	/B
$\chi_8^{(13)}$	2	.	-/A	.	2	/B	.	-/A	-/A	.	.	-1	-1	-A	.	.	-1	.	B	-A
$\chi_8^{(14)}$	2	.	-A	.	2	B	.	-A	-A	.	.	-1	-1	-/A	.	.	-1	.	/B	-/A
$\chi_8^{(15)}$	2	.	-/A	.	-1	-/A	.	-/A	/B	.	.	-1	-1	-A	.	.	2	.	B	-A
$\chi_8^{(16)}$	2	.	-A	.	-1	-A	.	-A	B	.	.	-1	-1	-/A	.	.	2	.	/B	-/A
$\chi_8^{(17)}$	2	.	B	.	-1	-A	.	-A	-A	.	.	-1	2	/B	.	.	-1	.	/B	-/A
$\chi_8^{(18)}$	2	.	/B	.	-1	-/A	.	-/A	-/A	.	.	-1	2	B	.	.	-1	.	B	-A
$\chi_8^{(19)}$	3	-1	.	C	.	.	/D	.	.	/E	-A	.	.	.	D	-/A	.	/C	F	.
$\chi_8^{(20)}$	3	-1	.	D	.	.	E	.	.	/C	-/A	.	.	.	/E	-A	.	/D	G	.
$\chi_8^{(21)}$	3	-1	.	/D	.	.	/E	.	.	C	-A	.	.	.	E	-/A	.	D	/G	.
$\chi_8^{(22)}$	3	-1	.	/C	.	.	D	.	.	E	-/A	.	.	.	/D	-A	.	C	/F	.
$\chi_8^{(23)}$	3	-1	.	E	.	.	/C	.	.	D	-/A	.	.	.	C	-A	.	/E	H	.
$\chi_8^{(24)}$	3	-1	.	/E	.	.	C	.	.	/D	-A	.	.	.	/C	-/A	.	E	/H	.
$\chi_8^{(25)}$	3	1	.	-/E	.	.	-C	.	.	-/D	A	.	.	.	-/C	/A	.	-E	/H	.
$\chi_8^{(26)}$	3	1	.	-E	.	.	-/C	.	.	-D	/A	.	.	.	-C	A	.	-/E	H	.
$\chi_8^{(27)}$	3	1	.	-/C	.	.	-D	.	.	-E	/A	.	.	.	-/D	A	.	-C	/F	.
$\chi_8^{(28)}$	3	1	.	-/D	.	.	-/E	.	.	-C	A	.	.	.	-E	/A	.	-D	/G	.
$\chi_8^{(29)}$	3	1	.	-D	.	.	-E	.	.	-/C	/A	.	.	.	-/E	A	.	-/D	G	.
$\chi_8^{(30)}$	3	1	.	-C	.	.	-/D	.	.	-/E	A	.	.	.	-D	/A	.	-/C	F	.

$\chi_8^{(1)}$	1	1	1	1	1	1	1	1	1
$\chi_8^{(2)}$	-1	1	1	1	1	1	1	1	1
$\chi_8^{(3)}$	-/A	A	/A	/A	1	A	/A	1	A
$\chi_8^{(4)}$	-A	/A	A	A	1	/A	A	1	/A
$\chi_8^{(5)}$	/A	A	/A	/A	1	A	/A	1	A
$\chi_8^{(6)}$	A	/A	A	A	1	/A	A	1	/A
$\chi_8^{(7)}$	.	2	-1	2	2	2	2	2	2
$\chi_8^{(8)}$	.	2	-1	2	2	2	2	2	2
$\chi_8^{(9)}$	.	2	2	2	2	2	2	2	2
$\chi_8^{(10)}$	.	2	-1	2	2	2	2	2	2
$\chi_8^{(11)}$	.	/B	-A	B	2	/B	B	2	/B
$\chi_8^{(12)}$	.	B	-/A	/B	2	B	/B	2	B
$\chi_8^{(13)}$	.	/B	-A	B	2	/B	B	2	/B
$\chi_8^{(14)}$	.	B	-/A	/B	2	B	/B	2	B
$\chi_8^{(15)}$	.	/B	B	B	2	/B	B	2	/B
$\chi_8^{(16)}$	.	B	/B	/B	2	B	/B	2	B
$\chi_8^{(17)}$	.	B	-/A	/B	2	B	/B	2	B
$\chi_8^{(18)}$	.	/B	-A	B	2	/B	B	2	/B
$\chi_8^{(19)}$	E	/F	.	/G	I	H	/H	/I	G
$\chi_8^{(20)}$	C	/G	.	H	/I	F	/F	I	/H
$\chi_8^{(21)}$	/C	G	.	/H	I	/F	F	/I	H
$\chi_8^{(22)}$	/E	F	.	G	/I	/H	H	I	/G
$\chi_8^{(23)}$	/D	/H	.	/F	/I	/G	G	I	F
$\chi_8^{(24)}$	D	H	.	F	I	G	/G	/I	/F
$\chi_8^{(25)}$	-D	H	.	F	I	G	/G	/I	/F
$\chi_8^{(26)}$	-/D	/H	.	/F	/I	/G	G	I	F
$\chi_8^{(27)}$	-/E	F	.	G	/I	/H	H	I	/G
$\chi_8^{(28)}$	-/C	G	.	/H	I	/F	F	/I	H
$\chi_8^{(29)}$	-C	/G	.	H	/I	F	/F	I	/H
$\chi_8^{(30)}$	-E	/F	.	/G	I	H	/H	/I	G

$A=E(3)^2=(-1-ER(-3))/2=-1-b3$; $B=2^*E(3)^2=-1-ER(-3)=-1-i3$; $C=-E(9)^2$; $D=-E(9)^4$; $E=E(9)^4+E(9)^7$; $F=3^*E(9)^7$; $G=3^*E(9)^5$; $H=-3^*E(9)^2-3^*E(9)^5$; $I=3^*E(3)^2=(-3-3^*ER(-3))/2=-3-3b3$.

The generators of G^{s_9} are:

Group([(1, 132, 206) (2, 186, 119) (4, 117, 237) (5, 42, 61) (6, 46, 176) (7, 38, 55) (8, 210, 232) (9, 43, 248) (10, 185, 99) (11, 275, 166) (12, 276, 39) (13, 94, 68) (14, 180, 271) (15, 48, 140) (16, 158, 243) (17, 205, 127) (18, 196, 221) (19, 41, 211) (20, 194, 154) (21, 161, 175) (22, 106, 118) (23, 239, 105) (24, 92, 89) (25, 75, 37) (26, 260, 252) (27, 167, 171) (28, 263, 267) (29, 207, 257) (30, 268, 209) (31, 138, 160) (32, 256, 201) (33, 36, 108) (34, 234, 49) (35, 97, 159) (40, 62, 179) (44, 72, 86) (45, 63, 134) (47, 56, 187) (50, 151, 88) (51, 131, 146) (52, 123, 198) (53, 273, 199) (54, 100, 195) (57, 124, 129) (58, 182, 130) (59, 125, 213) (60, 258, 141) (64, 204, 255) (65, 272, 212) (66, 155, 249) (67, 241, 184) (69, 269, 153) (71, 157, 208) (73, 163, 152) (74, 233, 112) (76, 189, 122) (77, 229, 139) (78, 111, 250) (79, 242, 244) (80, 215, 236) (81, 253, 235) (82, 133, 247) (83, 231, 197) (84, 148, 264) (85, 173, 222) (87, 109, 93) (90, 169, 177) (91, 245, 96) (95, 223, 135) (98, 274, 261) (101, 202, 224) (102, 191, 136) (103, 168, 214) (104, 150, 226) (107, 143, 270) (110, 156, 259) (114, 165, 240) (115, 219, 144) (116, 266, 147) (120, 121, 170) (126, 200, 227) (128, 220, 225) (137, 228, 183) (145, 174, 162) (149, 238, 190) (164, 192, 254) (172,

262, 193) (178, 217, 251) (181, 218, 230) (188, 203, 265) , (3, 246) (4, 258) (5, 211) (6, 238) (8, 47) (9, 18) (10, 64) (11, 77) (12, 53) (13, 66) (14, 235) (15, 234) (17, 215) (19, 42) (20, 208) (21, 214) (22, 191) (23, 115) (24, 177) (25, 156) (26, 28) (27, 160) (29, 83) (30, 135) (31, 167) (32, 123) (34, 140) (35, 148) (37, 110) (39, 199) (41, 61) (43, 196) (44, 58) (45, 220) (46, 190) (48, 49) (50, 51) (52, 201) (54, 65) (56, 210) (57, 240) (59, 189) (60, 237) (63, 225) (67, 181) (68, 249) (70, 216) (71, 194) (72, 182) (73, 266) (74, 250) (75, 259) (76, 213) (78, 233) (80, 127) (81, 180) (82, 107) (84, 159) (85, 104) (86, 130) (88, 146) (89, 169) (90, 92) (91, 137) (94, 155) (95, 268) (96, 183) (97, 264) (98, 265) (99, 255) (100, 272) (102, 118) (103, 161) (105, 144) (106, 136) (111, 112) (113, 142) (114, 124) (116, 152) (117, 141) (120, 174) (121, 162) (122, 125) (126, 164) (128, 134) (129, 165) (131, 151) (133, 143) (138, 171) (139, 166) (145, 170) (147, 163) (149, 176) (150, 173) (154, 157) (168, 175) (184, 230) (185, 204) (187, 232) (188, 274) (192, 200) (195, 212) (197, 257) (198, 256) (203, 261) (205, 236) (207, 231) (209, 223) (218, 241) (219, 239) (221, 248) (222, 226) (227, 254) (228, 245) (229, 275) (247, 270) (252, 267) (253, 271) (260, 263) (273, 276) , (3, 70) (4, 16) (5, 272) (6, 217) (7, 78) (8, 64) (9, 211) (10, 218) (11, 253) (12, 187) (13, 252) (15, 45) (17, 268) (18, 261) (19, 43) (21, 73) (22, 247) (23, 25) (26, 94) (29, 157) (30, 127) (31, 169) (32, 130) (33, 121) (34, 164) (35, 150) (36, 170) (37, 105) (38, 111) (39, 56) (40, 238) (41, 248) (42, 212) (44, 215) (46, 251) (47, 276) (48, 63) (49, 254) (50, 240) (51, 222) (52, 223) (53, 67) (54, 188) (55, 250) (57, 264) (58, 256) (60, 69) (61, 65) (62, 190) (68, 260) (71, 257) (72, 236) (74, 242) (75, 239) (79, 112) (80, 86) (81, 166) (82, 106) (84, 124) (85, 131) (87, 145) (88, 165) (90, 160) (91, 128) (93, 162) (95, 198) (96, 225) (97, 226) (98, 196) (99, 181) (100, 203) (101, 172) (102, 156) (103, 147) (104, 159) (107, 144) (108, 120) (109, 174) (110, 136) (113, 142) (114, 151) (115, 143) (116, 168) (117, 158) (118, 133) (123, 135) (126, 137) (129, 148) (134, 140) (138, 177) (141, 153) (146, 173) (149, 179) (152, 175) (161, 163) (176, 178) (182, 201) (183, 227) (184, 199) (185, 230) (191, 259) (192, 234) (193, 224) (195, 265) (200, 228) (202, 262) (204, 210) (205, 209) (207, 208) (214, 266) (216, 246) (219, 270) (220, 245) (221, 274) (232, 255) (233, 244) (235, 275) (237, 243) (241, 273) (258, 269) , (3, 70, 216, 246) (4, 66, 269, 252, 258, 267, 16, 13) (5, 218, 9, 273, 261, 47, 100, 64) (6, 20, 40, 207, 238, 231, 217, 208) (7, 275, 78, 229, 244, 235, 233, 14) (8, 211, 276, 272, 241, 203, 10, 18) (11, 250, 77, 242, 253, 74, 271, 55) (12, 65, 67, 188, 99, 221, 232, 41) (15, 256, 192, 95, 228, 17, 220, 44) (19, 39, 212, 184, 265, 185, 196, 210) (21, 214, 266, 73) (22, 50, 259, 222, 239, 97, 270, 57) (23, 35, 143, 129, 118, 88, 156, 173) (24, 87, 138, 145, 171, 36, 177, 170) (25, 148, 102, 150, 133, 146, 115, 165) (26, 141, 28, 158, 94, 117, 155, 153) (27, 108, 90, 120, 92, 109, 160, 174) (29, 149, 83, 178, 157, 176, 154, 179) (30, 134, 123, 91, 130, 126, 80, 34) (31, 162, 167, 33, 169, 121, 89, 93) (32, 164, 135, 137, 127, 128, 86, 140) (37, 84, 136, 104, 82, 131, 144, 114) (38, 166, 111, 139, 79, 81, 112, 180) (42, 230, 43, 199, 98, 56, 195, 204) (45, 198, 245, 58, 200, 215, 234, 268) (46, 194, 62, 257, 190, 197, 251, 71) (48, 201, 254, 223, 183, 205, 225, 72) (49, 209, 63, 52, 96, 182, 227, 236) (51, 219, 240, 75, 264, 191, 226, 247) (53, 274, 187, 54, 255, 61, 181, 248) (59, 193, 189, 224) (60, 263, 243, 68, 237, 249, 69, 260) (76, 202, 213, 262) (85, 105, 159, 107, 124, 106, 151, 110) (101, 125, 172, 122) (103, 147, 163, 161) (113, 142) (116, 152, 175, 168) , (2, 5, 176, 97, 235, 8, 108, 191) (3, 142, 113, 246) (4, 155, 153, 252, 141, 28, 243, 68) (6, 159, 81, 210, 33, 136, 186, 42) (7, 241, 202, 211, 233, 51, 192, 219) (9, 268, 160, 64, 226, 27, 213, 57) (10, 29, 90, 247) (11, 23, 128, 187) (12, 24, 80, 53, 266, 32, 135, 221) (13, 117, 249, 69, 26, 60, 263, 16) (14, 161, 109, 50, 78, 22, 45, 203) (15, 179, 228, 262, 178, 174, 120, 245) (17, 154, 163, 240, 58, 44, 75, 270) (18, 276, 92, 215, 273, 147, 256, 95) (19, 112, 131, 254, 144, 38, 184, 224) (20, 152, 114, 182, 72, 37, 107, 205) (21, 87, 88, 250, 118, 134, 188, 271) (25, 143, 127, 194, 73, 165, 130, 86) (30, 138, 255, 150, 171, 125, 129, 248) (31, 204, 104, 167, 59, 124, 43, 209) (35, 253, 232, 36, 102, 119, 61, 46) (39, 89, 236, 199, 116, 201, 223, 196) (40, 183, 193, 217, 162, 121, 96, 48) (41, 74, 146, 164, 115, 55, 67, 101) (47, 275, 239, 220) (52, 212, 195, 208, 231, 85, 110, 189) (54, 71, 197, 173, 156, 122, 123, 65) (56, 166, 105, 225) (62, 137, 172, 251, 145, 170, 91, 140) (63, 265, 180, 175, 93, 151, 111, 106) (66, 269, 260, 258, 267, 158, 94, 237) (70, 216) (76, 198, 272, 100, 157, 83, 222, 259) (77, 274, 126, 214, 242, 148, 190, 181) (79, 84, 238, 230, 139, 98, 227, 168) (82, 185, 207, 169) (99, 257, 177, 133) (103, 244, 264, 149, 218, 229, 261,

200) , (1, 2, 4, 253) (3, 216) (5, 106, 161, 241) (6, 197, 254, 213) (7, 13, 74, 263) (8, 84, 146, 239) (10, 110, 150, 240) (11, 60) (12, 116, 143, 54) (14, 252, 78, 16) (15, 92, 34, 205) (17, 140, 24, 49) (18, 144, 129, 191) (19, 204, 265, 212) (20, 45) (21, 67, 61, 22) (23, 232, 264, 131) (25, 168) (26, 111, 158, 180) (27, 137, 29, 174) (28, 55, 68, 112) (30, 178) (31, 202, 80, 227) (32, 179, 208, 262) (33, 169, 190, 72) (35, 53, 50, 85) (36, 177, 149, 86) (37, 103) (38, 94, 233, 267) (39, 147, 107, 195) (40, 71, 193, 256) (41, 255, 188, 65) (42, 118, 175, 184) (44, 108, 90, 238) (46, 83, 164, 59) (47, 82, 230, 163) (48, 89, 234, 127) (51, 105, 210, 148) (52, 93, 95, 128) (56, 133, 181, 152) (57, 136, 196, 115) (58, 91, 189, 121) (62, 157, 172, 201) (63, 194) (64, 203, 272, 211) (66, 79, 153, 229) (69, 139, 155, 242) (73, 187, 247, 218) (75, 214) (76, 120, 130, 96) (77, 249, 244, 269) (81, 206, 119, 237) (87, 223, 220, 123) (88, 222, 159, 199) (97, 273, 151, 173) (99, 259, 104, 165) (100, 276, 266, 270) (101, 236, 200, 160) (102, 221, 219, 124) (109, 135, 225, 198) (113, 142) (114, 185, 156, 226) (117, 235, 132, 186) (122, 170, 182, 245) (125, 176, 231, 192) (126, 138, 224, 215) (134, 154) (141, 166) (145, 171, 183, 257) (162, 167, 228, 207) (209, 251) (217, 268) (243, 271, 260, 250) (258, 275).

The representatives of conjugacy classes of G^{89} are:

() , (1, 206, 132) (2, 119, 186) (4, 237, 117) (5, 61, 42) (6, 176, 46) (7, 55, 38) (8, 232, 210) (9, 248, 43) (10, 99, 185) (11, 166, 275) (12, 39, 276) (13, 68, 94) (14, 271, 180) (15, 140, 48) (16, 243, 158) (17, 127, 205) (18, 221, 196) (19, 211, 41) (20, 154, 194) (21, 175, 161) (22, 118, 106) (23, 105, 239) (24, 89, 92) (25, 37, 75) (26, 252, 260) (27, 171, 167) (28, 267, 263) (29, 257, 207) (30, 209, 268) (31, 160, 138) (32, 201, 256) (33, 108, 36) (34, 49, 234) (35, 159, 97) (40, 179, 62) (44, 86, 72) (45, 134, 63) (47, 187, 56) (50, 88, 151) (51, 146, 131) (52, 198, 123) (53, 199, 273) (54, 195, 100) (57, 129, 124) (58, 130, 182) (59, 213, 125) (60, 141, 258) (64, 255, 204) (65, 212, 272) (66, 249, 155) (67, 184, 241) (69, 153, 269) (71, 208, 157) (73, 152, 163) (74, 112, 233) (76, 122, 189) (77, 139, 229) (78, 250, 111) (79, 244, 242) (80, 236, 215) (81, 235, 253) (82, 247, 133) (83, 197, 231) (84, 264, 148) (85, 222, 173) (87, 93, 109) (90, 177, 169) ([...]) , (1, 132, 206) (2, 186, 119) (4, 117, 237) (5, 42, 61) (6, 46, 176) (7, 38, 55) (8, 210, 232) (9, 43, 248) (10, 185, 99) (11, 275, 166) (12, 276, 39) (13, 94, 68) (14, 180, 271) (15, 48, 140) (16, 158, 243) (17, 205, 127) (18, 196, 221) (19, 41, 211) (20, 194, 154) (21, 161, 175) (22, 106, 118) (23, 239, 105) (24, 92, 89) (25, 75, 37) (26, 260, 252) (27, 167, 171) (28, 263, 267) (29, 207, 257) (30, 268, 209) (31, 138, 160) (32, 256, 201) (33, 36, 108) (34, 234, 49) (35, 97, 159) (40, 62, 179) (44, 72, 86) (45, 63, 134) (47, 56, 187) (50, 151, 88) (51, 131, 146) (52, 123, 198) (53, 273, 199) (54, 100, 195) (57, 124, 129) (58, 182, 130) (59, 125, 213) (60, 258, 141) (64, 204, 255) (65, 272, 212) (66, 155, 249) (67, 241, 184) (69, 269, 153) (71, 157, 208) (73, 163, 152) (74, 233, 112) (76, 189, 122) (77, 229, 139) (78, 111, 250) (79, 242, 244) (80, 215, 236) (81, 253, 235) (82, 133, 247) (83, 231, 197) (84, 148, 264) (85, 173, 222) (87, 109, 93) (90, 169, 177) ([...]) , (1, 269, 16) (2, 253, 11) (4, 252, 249) (5, 241, 148) (6, 238, 224) (7, 229, 111) (8, 261, 146) (10, 99, 185) (12, 276, 39) (13, 258, 263) (14, 244, 112) (15, 228, 172) (17, 256, 189) (18, 272, 163) (19, 265, 103) (20, 231, 125) (21, 239, 22) (23, 118, 175) (24, 58, 71) (25, 222, 199) (26, 66, 117) (27, 29, 209) (28, 68, 60) (30, 167, 207) (31, 52, 86) (32, 76, 127) (33, 164, 200) (34, 62, 162) (35, 47, 191) (36, 192, 227) (37, 173, 273) (38, 139, 250) (40, 174, 49) (41, 188, 168) (42, 184, 264) (44, 138, 123) (45, 128, 93) (46, 190, 101) (48, 183, 262) (50, 144, 230) (51, 210, 98) (53, 75, 85) (55, 77, 78) (56, 136, 97) (57, 133, 204) (59, 154, 83) (61, 67, 84) (63, 220, 87) (64, 129, 82) (65, 73, 221) (69, 243, 206) (72, 160, 198) (74, 180, 79) (80, 177, 95) (81, 166, 119) (88, 219, 218) (89, 130, 208) (90, 223, 215) (91, 121, 251) (92, 182, 157) (94, 141, 267) (96, 120, 217) (102, 159, 187) (104, 150, 226) (105, 106, 161) (107, 270, 143) (108, 254, 126) ([...]) , (4, 258) (5, 261) (6, 238) (7, 244) (8, 241) (9, 100) (10, 276) (11, 253) (12, 99) (13, 252) (14, 229) (15, 228) (16, 269) (17, 256) (18, 272) (19, 265) (20, 231) (22, 239) (23, 118) (24, 171) (25, 133) (26, 94) (27, 92) (28, 155) (29, 157) (30, 130) (31, 169) (32, 127) (33, 93) (34, 91) (35, 88) (36, 87) (37, 82) (38, 79) (39, 185) (40, 217) (41, 188) (42, 98) (43, 195) (44, 95) (45, 200) (46, 190) (47, 218) (48, 183) (49, 96) (50, 97) (51, 264) (52, 236) (53, 255) (54, 248) (55, 242) (56, 230) (57, 222) (58, 268) (60, 237) (61, 274) (62, 251) (63, 227) (64, 273) (65, 221) (66, 267) (67, 232) (68, 260) (69, 243) (71, 257) (72, 223) (74, 250) (75, 247) (77, 271) (78, 233) (80, 123) (81, 166) (83, 154) (84, 131) (85, 124) (86,

135) (89, 167) (90, 160) (102, 115) (104, 114) (105, 106) (107, 110) (108, 109) (111, 112) (117, 141) (120, 174) (121, 162) (126, 134) (128, 164) (129, 173) (136, 144) (137, 140) (138, 177) (139, 180) (143, 156) (145, 170) (146, 148) (149, 176) (150, 165) (151, 159) ([...]) , (1, 206, 132) (2, 119, 186) (4, 60, 117, 258, 237, 141) (5, 274, 42, 261, 61, 98) (6, 149, 46, 238, 176, 190) (7, 242, 38, 244, 55, 79) (8, 67, 210, 241, 232, 184) (9, 54, 43, 100, 248, 195) (10, 12, 185, 276, 99, 39) (11, 81, 275, 253, 166, 235) (13, 260, 94, 252, 68, 26) (14, 77, 180, 229, 271, 139) (15, 137, 48, 228, 140, 183) (16, 69, 158, 269, 243, 153) (17, 32, 205, 256, 127, 201) (18, 65, 196, 272, 221, 212) (19, 203, 41, 265, 211, 188) (20, 83, 194, 231, 154, 197) (21, 175, 161) (22, 23, 106, 239, 118, 105) (24, 167, 92, 171, 89, 27) (25, 82, 75, 133, 37, 247) (28, 66, 263, 155, 267, 249) (29, 71, 207, 157, 257, 208) (30, 182, 268, 130, 209, 58) (31, 90, 138, 169, 160, 177) (33, 109, 36, 93, 108, 87) (34, 96, 234, 91, 49, 245) (35, 151, 97, 88, 159, 50) (40, 178, 62, 217, 179, 251) (44, 135, 72, 95, 86, 223) (45, 126, 63, 200, 134, 227) (47, 181, 56, 218, 187, 230) (51, 148, 131, 264, 146, 84) (52, 215, 123, 236, 198, 80) ([...]) , (1, 132, 206) (2, 186, 119) (4, 141, 237, 258, 117, 60) (5, 98, 61, 261, 42, 274) (6, 190, 176, 238, 46, 149) (7, 79, 55, 244, 38, 242) (8, 184, 232, 241, 210, 67) (9, 195, 248, 100, 43, 54) (10, 39, 99, 276, 185, 12) (11, 235, 166, 253, 275, 81) (13, 26, 68, 252, 94, 260) (14, 139, 271, 229, 180, 77) (15, 183, 140, 228, 48, 137) (16, 153, 243, 269, 158, 69) (17, 201, 127, 256, 205, 32) (18, 212, 221, 272, 196, 65) (19, 188, 211, 265, 41, 203) (20, 197, 154, 231, 194, 83) (21, 161, 175) (22, 105, 118, 239, 106, 23) (24, 27, 89, 171, 92, 167) (25, 247, 37, 133, 75, 82) (28, 249, 267, 155, 263, 66) (29, 208, 257, 157, 207, 71) (30, 58, 209, 130, 268, 182) (31, 177, 160, 169, 138, 90) (33, 87, 108, 93, 36, 109) (34, 245, 49, 91, 234, 96) (35, 50, 159, 88, 97, 151) (40, 251, 179, 217, 62, 178) (44, 223, 86, 95, 72, 135) (45, 227, 134, 200, 63, 126) (47, 230, 187, 218, 56, 181) (51, 84, 146, 264, 131, 148) (52, 80, 198, 236, 123, 215) ([...]) , (2, 261, 147, 7, 161, 226) (4, 141, 237, 258, 117, 60) (5, 240, 244) (6, 20, 151, 227, 223, 136) (8, 10, 229, 239, 270, 275) (9, 14, 264, 259, 233, 241) (11, 232, 99, 77, 23, 143) (12, 250, 118, 54, 253, 146) (13, 252, 68, 260, 94, 26) (15, 247, 92, 234, 64, 29) (16, 153, 158, 69, 243, 269) (17, 262, 222, 76, 179, 163) (18, 157, 120, 75, 268, 245) (19, 93, 52) (21, 150, 119, 274, 266, 55) (22, 100, 235, 51, 276, 78) (24, 34, 255, 257, 140, 133) (25, 30, 91, 221, 71, 170) (27, 174, 273, 58, 228, 272) (28, 155, 263, 249, 267, 66) (31, 159, 254, 72, 230, 238) (32, 251, 129) (33, 59, 265, 224, 236, 168) (35, 164, 86, 181, 190, 138) (36, 125, 188, 101, 80, 214) (37, 209, 96, 196, 208, 121) (38, 175, 104, 186, 98, 116) (39, 111, 106, 195, 81, 131) (40, 152, 205, 193, 85, 189) (41, 87, 123) (42, 114, 79) (43, 180, 84, 110, 112, 184) (44, 218, 149, 160, 97, 192) (45, 90, 219, 220, 83, 47) (46, 194, 88, 126, 135, 102) (48, 82, 89, 49, 204, 207) ([...]) , (1, 206, 132) (2, 274, 116, 7, 21, 104) (4, 258) (5, 165, 79) (6, 154, 88, 227, 95, 102) (8, 99, 139, 239, 143, 166) (9, 271, 84, 259, 74, 184) (10, 77, 105, 270, 11, 210) (12, 111, 22, 54, 81, 51) (13, 260) (14, 148, 110, 233, 67, 43) (15, 133, 89, 234, 255, 207) (16, 269, 243, 69, 158, 153) (17, 172, 85, 76, 62, 152) (18, 71, 121, 75, 30, 96) (19, 109, 123) (20, 50, 126, 223, 191, 46) (23, 107, 275, 232, 185, 229) (24, 49, 64, 257, 48, 247) (25, 209, 245, 221, 208, 120) (26, 68) (27, 145, 199, 58, 137, 212) (28, 66, 267, 249, 263, 155) (29, 140, 82, 92, 34, 204) (31, 97, 164, 72, 218, 190) (32, 217, 57) (33, 213, 188, 224, 215, 214) (35, 254, 44, 181, 238, 160) (36, 59, 203, 101, 236, 103) (37, 268, 91, 196, 157, 170) (38, 161, 150, 186, 261, 266) (39, 78, 118, 195, 235, 146) (40, 163, 127, 193, 222, 122) (41, 93, 198) (42, 240, 242) (45, 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134) (29, 88, 114, 223, 227, 201, 191, 143, 231, 225) (32, 136, 270, 197, 128, 207, 50, 165, 135, 126) (36, 122, 144, 248, 90, 45, 167, 187, 104, 59) (38, 175, 178, 204, 263, 275, 42, 179, 163, 158) ([...]) , (1, 2, 128, 193, 28, 253, 254, 234, 132, 186, 220, 172, 263, 235, 164, 49, 206, 119, 225, 262, 267, 81, 192, 34) (4, 242, 87, 179, 252, 77, 36, 183, 117, 244, 109, 40, 26, 229, 108, 137, 237, 79, 93, 62, 260, 139, 33, 228) (5, 135, 97, 127, 61, 223, 35, 205, 42, 95, 159, 17) (6, 15, 16, 78, 238, 162, 94, 180, 46, 48, 158, 111, 190, 145, 68, 271, 176, 140, 243, 250, 149, 174, 13, 14) (7, 134, 178, 269, 112, 200, 120, 258, 38, 45, 217, 153, 74, 227, 121, 141, 55, 63, 251, 69, 233, 126, 170, 60) (8, 86, 181, 24, 239, 125, 41, 209, 210, 44, 218, 92, 105, 213, 211, 30, 232, 72, 230, 89, 23, 59, 19, 268) (9, 272, 114, 204, 39, 129, 99, 152, 43, 212, 165, 255, 12, 57, 10, 73, 248, 65, 240, 64, 276, 124, 185, 163) (11, 224, 245, 66, 166, 202, 91, 249, 275, 101, 96, 155) (18, 110, 25, 54, 247, 266, 222, 104, 196, 156, 75, 100, 82, 147, 85, 150, 221, 259, 37, 195, 133, 116, 173, 226) (20, 56, 76, 131, 198, 136, 256, 106, 194, 187, 189, 146, 52, 102, 201, 118, 154, 47, 122, 51, 123, 191, 32, 22) ([...]) , (1, 119, 220, 193, 267, 235, 254, 34, 206, 186, 128, 262, 263, 253, 192, 49, 132, 2, 225, 172, 28, 81, 164, 234) (4, 79, 109, 179, 260, 229, 36, 228, 237, 244, 87, 62, 26, 77, 33, 137, 117, 242, 93, 40, 252, 139, 108, 183) (5, 223, 159, 127, 42, 135, 35, 17, 61, 95, 97, 205) (6, 140, 158, 78, 149, 145, 94, 14, 176, 48, 16, 250, 190, 162, 13, 271, 46, 15, 243, 111, 238, 174, 68, 180) (7, 63, 217, 269, 233, 227, 120, 60, 55, 45, 178, 69, 74, 200, 170, 141, 38, 134, 251, 153, 112, 126, 121, 258) (8, 72, 218, 24, 23, 213, 41, 268, 232, 44, 181, 89, 105, 125, 19, 30, 210, 86, 230, 92, 239, 59, 211, 209) (9, 65, 165, 204, 276, 57, 99, 163, 248, 212, 114, 64, 12, 129, 185, 73, 43, 272, 240, 255, 39, 124, 10, 152) (11, 202, 96, 66, 275, 224, 91, 155, 166, 101, 245, 249) (18, 259, 75, 54, 133, 147, 222, 226, 221, 156, 25, 195, 82, 266, 173, 150, 196, 110, 37, 100, 247, 116, 85, 104) (20, 47, 189, 131, 123, 102, 256, 22, 154, 187, 76, 51, 52, 136, 32, 118, 194, 56, 122, 146, 198, 191, 201, 106) ([...]) , (1, 186, 225, 193, 263, 81, 254, 49) (2, 220, 262, 28, 235, 192, 234, 206) (4, 244, 93,

179, 26, 139, 36, 137) (5, 95, 35, 127) (6, 48, 243, 78, 190, 174, 94, 271) (7, 45, 251, 269, 74, 126, 120, 141)
 (8, 44, 230, 24, 105, 59, 41, 30) (9, 212, 240, 204, 12, 124, 99, 73) (10, 163, 43, 65, 114, 255, 276, 129) (11,
 101, 91, 66) (13, 180, 176, 15, 158, 250, 238, 145) (14, 46, 140, 16, 111, 149, 162, 68) (17, 42, 223, 97) (18,
 156, 37, 54, 82, 116, 222, 150) (19, 209, 232, 86, 218, 89, 239, 213) (20, 187, 122, 131, 52, 191, 256, 118) (21,
 231, 219, 58, 98, 138, 203, 257) (22, 194, 47, 76, 146, 123, 136, 201) (23, 125, 211, 268, 210, 72, 181, 92) (25,
 100, 133, 266, 85, 226, 196, 259) (27, 184, 236, 50, 71, 84, 177, 214) (29, 161, 197, 144, 182, 274, 160, 265)
 (31, 188, 207, 175, 83, 115, 130, 261) (32, 106, 154, 56, 189, 51, 198, 102) (33, 183, 237, 242, 109, 62, 252,
 229) (34, 132, 119, 128, 172, 267, 253, 164) (38, 63, 178, 153, 233, 200, 121, 60) ([...]).

	10																			20
$\chi_9^{(46)}$	81	D	/D	.	9	A	/A	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_9^{(47)}$	81	/D	D	.	9	/A	A	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_9^{(48)}$	90	E	/E	.	10	K	/K	1	H	/H	O	/O	-3	.	.	1	H	/H	-/O	3
$\chi_9^{(49)}$	90	/E	E	.	10	/K	K	1	/H	H	/O	O	-3	.	.	1	/H	H	-O	3
$\chi_9^{(50)}$	90	E	/E	.	10	K	/K	1	H	/H	O	/O	-3	.	.	1	H	/H	-/O	3
$\chi_9^{(51)}$	90	/E	E	.	10	/K	K	1	/H	H	/O	O	-3	.	.	1	/H	H	-O	3
$\chi_9^{(52)}$	144	F	/F	.	-16	L	/L	2	N	/N	P	/P	6	.	.	2	N	/N	-/P	-6
$\chi_9^{(53)}$	144	/F	F	.	-16	/L	L	2	/N	N	/P	P	6	.	.	2	/N	N	-P	-6
$\chi_9^{(54)}$	144	F	/F	.	16	-L	-/L	-2	-N	-/N	P	/P	6	.	.	-2	-N	-/N	-/P	-6
$\chi_9^{(55)}$	144	/F	F	.	16	-/L	-L	-2	-/N	-N	/P	P	6	.	.	-2	-/N	-N	-P	-6
$\chi_9^{(56)}$	160	160	160	-2	.	.	.	.	.	.	-8	-8	-8	1	1	.	.	.	4	4
$\chi_9^{(57)}$	160	160	160	-2	.	.	.	.	.	.	4	4	4	-/Q	-Q	.	.	.	-8	-8
$\chi_9^{(58)}$	160	160	160	-2	.	.	.	.	.	.	4	4	4	-Q	-/Q	.	.	.	-8	-8
$\chi_9^{(59)}$	180	G	/G	.	-20	M	/M	-2	-N	-/N	-P	-/P	-6	.	.	-2	-N	-/N	/P	6
$\chi_9^{(60)}$	180	/G	G	.	-20	/M	M	-2	-/N	-N	-/P	-P	-6	.	.	-2	-/N	-N	P	6
	30																			40
$\chi_9^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_9^{(2)}$	1	1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	1	1	-1	-1
$\chi_9^{(3)}$	-2	-2	-2	-2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_9^{(4)}$	-2	-2	-2	-2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_9^{(5)}$	1	1	1	1	.	.	.	.	T	T	T	T	-T	-T	-T	-T	.	.	.	.
$\chi_9^{(6)}$	1	1	1	1	.	.	.	.	-T	-T	-T	-T	T	T	T	T	.	.	.	.
$\chi_9^{(7)}$	2	2	2	2	-3	-3	-3	-3	.	.	.	.	.	.	.	.	1	1	1	1
$\chi_9^{(8)}$	2	2	2	2	3	3	3	3	.	.	.	.	.	.	.	.	1	1	1	-1
$\chi_9^{(9)}$	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	1	1	3
$\chi_9^{(10)}$	-1	-1	-1	-1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-3
$\chi_9^{(11)}$	.	.	.	.	-3	-3	-3	-3	.	.	.	.	.	.	.	.	1	1	1	-3
$\chi_9^{(12)}$	.	.	.	.	3	3	3	3	.	.	.	.	.	.	.	.	1	1	1	3
$\chi_9^{(13)}$	-O	.	.	.	-3	O	/O	.	U	-T	-/U	.	T	/U	-U	.	1	H	/H	1
$\chi_9^{(14)}$	-/O	.	.	.	-3	/O	O	.	/U	T	-U	.	-T	U	-/U	.	1	/H	H	1
$\chi_9^{(15)}$	-O	.	.	.	3	-O	-/O	.	-U	T	/U	.	-T	-/U	U	.	1	H	/H	-1
$\chi_9^{(16)}$	-/O	.	.	.	3	-/O	-O	.	-/U	-T	U	.	T	-U	/U	.	1	/H	H	-1
$\chi_9^{(17)}$	1	1	1	1	-2	-2	-2	-2	1	1	1	1	1	1	1	1	-2	-2	-2	2
$\chi_9^{(18)}$	1	1	1	1	2	2	2	2	-1	-1	-1	-1	-1	-1	-1	-1	-2	-2	-2	-2
$\chi_9^{(19)}$	-2	-2	-2	-2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_9^{(20)}$	-2	-2	-2	-2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_9^{(21)}$	2	2	2	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_9^{(22)}$	-P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_9^{(23)}$	-P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_9^{(24)}$	-/P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_9^{(25)}$	-/P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_9^{(26)}$	-O	.	.	.	.	.	.	.	/O	-3	O	.	-3	O	/O	.	.	.	.	.
$\chi_9^{(27)}$	-/O	.	.	.	.	.	.	.	O	-3	/O	.	-3	/O	O	.	.	.	.	.
$\chi_9^{(28)}$	-O	.	.	.	.	.	.	.	-/O	3	-O	.	3	-O	-/O	.	.	.	.	.
$\chi_9^{(29)}$	-/O	.	.	.	.	.	.	.	-O	3	-/O	.	3	-/O	-O	.	.	.	.	.
$\chi_9^{(30)}$	D	.	.	.	9	A	/A	.	.	.	.	.	.	.	.	.	1	H	/H	1

	30																40				
$\chi_9^{(31)}$	/P	.	.	.	-9	-/A	-A	.	.	.	.	.	.	.	.	1	/H	H	-1	-/H	
$\chi_9^{(32)}$	P	.	.	.	9	A	/A	.	.	.	.	.	.	.	.	1	H	/H	1	H	
$\chi_9^{(33)}$	/P	.	.	.	9	/A	A	.	.	.	.	.	.	.	.	1	/H	H	1	/H	
$\chi_9^{(34)}$	O	.	.	.	-3	O	/O	.	U	-T	-/U	.	T	/U	-U	.	1	H	/H	-3	O
$\chi_9^{(35)}$	/O	.	.	.	-3	/O	O	.	/U	T	-U	.	-T	U	-/U	.	1	/H	H	-3	/O
$\chi_9^{(36)}$	O	.	.	.	3	-O	-/O	.	-U	T	/U	.	-T	-/U	U	.	1	H	/H	3	-O
$\chi_9^{(37)}$	/O	.	.	.	3	-/O	-O	.	-/U	-T	U	.	T	-U	/U	.	1	/H	H	3	-/O
$\chi_9^{(38)}$	8	-1	-1	-1	-8	-8	-8	1	-2	-2	-2	1	-2	-2	-2	1	.	.	.	.	.
$\chi_9^{(39)}$	8	-1	-1	-1	8	8	8	-1	2	2	2	-1	2	2	2	-1	.	.	.	.	.
$\chi_9^{(40)}$	2	R	/R	2	-8	-8	-8	1	-/N	-/N	-/N	/H	-N	-N	-N	H	.	.	.	.	.
$\chi_9^{(41)}$	2	/R	R	2	-8	-8	-8	1	-N	-N	-N	H	-/N	-/N	-/N	/H	.	.	.	.	.
$\chi_9^{(42)}$	2	R	/R	2	8	8	8	-1	/N	/N	/N	-/H	N	N	N	-H	.	.	.	.	.
$\chi_9^{(43)}$	2	/R	R	2	8	8	8	-1	N	N	N	-H	/N	/N	/N	-/H	.	.	.	.	.
$\chi_9^{(44)}$	.	.	.	.	-9	-A	-/A	.	.	.	.	.	.	.	.	.	1	H	/H	3	-O
$\chi_9^{(45)}$	.	.	.	.	-9	-/A	-A	.	.	.	.	.	.	.	.	.	1	/H	H	3	-/O
$\chi_9^{(46)}$	.	.	.	.	9	A	/A	.	.	.	.	.	.	.	.	.	1	H	/H	-3	O
$\chi_9^{(47)}$	.	.	.	.	9	/A	A	.	.	.	.	.	.	.	.	.	1	/H	H	-3	/O
$\chi_9^{(48)}$	-O	.	.	.	-6	-P	-/P	.	-U	T	/U	.	-T	-/U	U	.	-2	-N	-/N	-2	-N
$\chi_9^{(49)}$	-/O	.	.	.	-6	-/P	-P	.	-/U	-T	U	.	T	-U	/U	.	-2	-/N	-N	-2	-/N
$\chi_9^{(50)}$	-O	.	.	.	6	P	/P	.	U	-T	-/U	.	T	/U	-U	.	-2	-N	-/N	2	N
$\chi_9^{(51)}$	-/O	.	.	.	6	/P	P	.	/U	T	-U	.	-T	U	-/U	.	-2	-/N	-N	2	/N
$\chi_9^{(52)}$	-P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_9^{(53)}$	-/P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_9^{(54)}$	-P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_9^{(55)}$	-/P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_9^{(56)}$	4	4	4	-5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_9^{(57)}$	-8	S	/S	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_9^{(58)}$	-8	/S	S	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_9^{(59)}$	P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_9^{(60)}$	/P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

	50																60			
$\chi_9^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_9^{(2)}$	-1	-1	-1	-1	-1	-1	-1	1	1	1	1	1	1	1	1	1	-1	-1	-1	-1
$\chi_9^{(3)}$	.	V	V	V	-V	-V	-V	.	.	.	-1	-1	-1	1	1	1	.	.	.	.
$\chi_9^{(4)}$	.	-V	-V	-V	V	V	V	.	.	.	-1	-1	-1	1	1	1	.	.	.	.
$\chi_9^{(5)}$	.	.	.	.	.	.	.	.	.	.	-1	-1	-1	1	1	1	.	.	.	.
$\chi_9^{(6)}$	.	.	.	.	.	.	.	.	.	.	-1	-1	-1	1	1	1	.	.	.	.
$\chi_9^{(7)}$	1	1	1	1	1	1	1	-1	-1	-1	.	.	.	.	.	.	-1	-1	-1	-1
$\chi_9^{(8)}$	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	.	.	.	.	.	.	1	1	1	1
$\chi_9^{(9)}$	3	.	.	.	.	.	.	-1	-1	-1	.	.	.	.	.	.	1	1	1	1
$\chi_9^{(10)}$	-3	.	.	.	.	.	.	-1	-1	-1	.	.	.	.	.	.	-1	-1	-1	-1
$\chi_9^{(11)}$	-3	.	.	.	.	.	.	1	1	1	-1	-1	-1	-1	-1	-1	1	1	1	1
$\chi_9^{(12)}$	3	.	.	.	.	.	.	1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
$\chi_9^{(13)}$	/H	1	H	/H	1	H	/H	-1	-H	-/H	-1	-H	-/H	H	/H	1	-H	-/H	-1	-1
$\chi_9^{(14)}$	H	1	/H	H	1	/H	H	-1	-/H	-H	-1	-/H	-H	/H	H	1	-/H	-H	-1	-1
$\chi_9^{(15)}$	/H	1	H	/H	1	H	/H	-1	-H	-/H	-1	-H	-/H	H	/H	1	-H	-/H	-1	-1

where $A=9^*E(3)^2=(-9-9^*ER(-3))/2=-9-9b3$; $B=36^*E(3)^2=-18-18^*ER(-3)=-18-18i3$; $C=45^*E(3)^2=(-45-45^*ER(-3))/2=-45-45b3$; $D=81^*E(3)^2=(-81-81^*ER(-3))/2=-81-81b3$; $E=90^*E(3)^2=-45-45^*ER(-3)=-45-45i3$; $F=144^*E(3)^2=-72-72^*ER(-3)=-72-72i3$; $G=180^*E(3)^2=-90-90^*ER(-3)=-90-90i3$; $H=E(3)^2=(-1-ER(-3))/2=-1-b3$; $I=-4^*E(3)^2=2+2^*ER(-3)=2+2i3$; $J=5^*E(3)^2=(-5-5^*ER(-3))/2=-5-5b3$; $K=10^*E(3)^2=-5-5^*ER(-3)=-5-5i3$; $L=-16^*E(3)^2=8+8^*ER(-3)=8+8i3$; $M=-20^*E(3)^2=10+10^*ER(-3)=10+10i3$; $N=2^*E(3)^2=-1-ER(-3)=-1-i3$; $O=-3^*E(3)^2=(3+3^*ER(-3))/2=3+3b3$; $P=6^*E(3)^2=-3-3^*ER(-3)=-3-3i3$; $Q=-2^*E(3)+E(3)^2=(1-3^*ER(-3))/2=-1-3b3$; $R=4^*E(3)+E(3)^2=(-5+3^*ER(-3))/2=-1+3b3$; $S=-4^*E(3)+2^*E(3)^2=1-3^*ER(-3)=1-3i3$; $T=-E(3)+E(3)^2=-ER(-3)=-i3$; $U=E(3)+2^*E(3)^2=(-3-ER(-3))/2=-2-b3$; $V=-E(12)^7+E(12)^{11}=ER(3)=r3$; $W=2^*E(12)^7+E(12)^{11}$.

The generators of $G^{s_{10}}$ are:

(1, 50, 132, 151, 206, 88) (2, 85, 186, 173, 119, 222) (3, 142) (4, 230, 117, 181, 237, 218) (5, 261, 42, 98, 61, 274) (6, 95, 46, 223, 176, 135) (7, 196, 38, 221, 55, 18) (8, 118, 210, 22, 232, 106) (9, 248, 43) (10, 99, 185) (11, 163, 275, 152, 166, 73) (12, 266, 276, 147, 39, 116) (13, 56, 94, 187, 68, 47) (14, 75, 180, 37, 271, 25) (15, 140, 48) (16, 35, 158, 97, 243, 159) (17, 257, 205, 29, 127, 207) (19, 267, 41, 28, 211, 263) (20, 190, 194, 149, 154, 238) (21, 175, 161) (23, 241, 239, 184, 105, 67) (24, 76, 92, 189, 89, 122) (26, 265, 260, 188, 252, 203) (27, 171, 167) (30, 71, 268, 157, 209, 208) (31, 33, 138, 36, 160, 108) (32, 201, 256) (34, 251, 234, 178, 49, 217) (40, 183, 62, 137, 179, 228) (44, 93, 72, 87, 86, 109) (45, 236, 63, 80, 134, 215) (51, 146, 131) (52, 101, 123, 202, 198, 224) (53, 229, 273, 139, 199, 77) (54, 270, 100, 107, 195, 143) (57, 81, 124, 253, 129, 235) (58, 130, 182) (59, 126, 125, 200, 213, 227) (60, 144, 258, 115, 141, 219) (64, 79, 204, 242, 255, 244) (65, 112, 272, 74, 212, 233) (66, 136, 155, 102, 249, 191) (69, 168, 269, 214, 153, 103) (70, 246) (78, 82, 111, 133, 250, 247) (83, 220, 231, 225, 197, 128) (84, 264, 148) (90, 192, 169, 254, 177, 164) (91, 96, 245) (104, 226, 150) (110, 240, 156, 114, 259, 165) (113, 216) (120, 172, 121, 262, 170, 193) (145, 162, 174) , (2, 7, 78, 275) (4, 263, 60, 66) (5, 270, 241, 276) (6, 223) (8, 259, 22, 240) (9, 264) (10, 161, 226, 51) (11, 119, 55, 250) (12, 61, 143, 67) (13, 69, 26, 243) (14, 235, 244, 229) (15, 27, 245, 256) (16, 94, 269, 260) (17, 120, 29, 262) (18, 247, 163, 222) (19, 144, 136, 230) (20, 254, 52, 63) (21, 150, 146, 99) (23, 266, 274, 54) (24, 137, 71, 251) (25, 129, 255, 53) (28, 141, 249, 237) (30, 34, 122, 62) (31, 93, 231, 227) (32, 140, 171, 91) (33, 72, 225, 59) (35, 187, 214, 188) (36, 86, 128, 125) (37, 124, 204, 199) (38, 111, 166, 186) (39, 42, 107, 184) (40, 209, 49, 189) (41, 115, 102, 181) (43, 84) (44, 220, 213, 108) (45, 154, 192, 198) (46, 135) (47, 103, 203, 97) (48, 167, 96, 201) (56, 168, 265, 159) (57, 64, 273, 75) (58, 174) (68, 153, 252, 158) (70, 246) (73, 173, 221, 133) (76, 179, 268, 234) (77, 271, 253, 242) (79, 139, 180, 81) (80, 190, 177, 101) (82, 152, 85, 196) (83, 200, 160, 109) (87, 197, 126, 138) (89, 183, 208, 217) (90, 202, 215, 149) (92, 228, 157, 178) (95, 176) (98, 195, 105, 116) (100, 239, 147, 261) (104, 131, 185, 175) (106, 114, 210, 110) (117, 267, 258, 155) (118, 165, 232, 156) (121, 207, 193, 205) (123, 134, 194, 164) (127, 170, 257, 172) (130, 145) (148, 248) (162, 182) (169, 224, 236, 238) (191, 218, 211, 219) , (2, 57, 78, 273) (4, 13, 60, 26) (5, 268, 241, 76) (7, 75, 275, 64) (8, 17, 22, 29) (9, 174) (10, 15, 226, 245) (11, 255, 55, 25) (12, 34, 143, 62) (14, 163, 244, 18) (16, 155, 269, 267) (19, 159, 136, 168) (20, 59, 52, 72) (21, 32, 146, 171) (23, 24, 274, 71) (27, 161, 256, 51) (28, 158, 249, 153) (30, 67, 122, 61) (31, 169, 231, 236) (33, 254, 225, 63) (35, 102, 214, 41) (36, 164, 128, 134) (37, 166, 204, 38) (39, 49, 107, 40) (42, 209, 184, 189) (43, 162) (44, 154, 213, 198) (45, 108, 192, 220) (47, 219, 203, 218) (48, 104, 96, 185) (53, 119, 129, 250) (54, 137, 266, 251) (56, 144, 265, 230) (58, 264) (65, 74) (66, 69, 263, 243) (68, 141, 252, 237) (73, 242, 221, 271) (77, 173, 253, 133) (79, 196, 180, 152) (80, 138, 177, 197) (81, 82, 139, 85) (83, 215, 160, 90) (84, 182) (86, 194, 125, 123) (87, 190, 126, 101) (89, 98, 208, 105) (91, 99, 140, 150) (92, 261, 157, 239) (93, 238, 227, 224) (94, 258, 260, 117) (97, 191, 103, 211) (100, 228, 147, 178) (106, 207, 210, 205) (109, 149, 200, 202) (110, 193, 114, 121) (111, 199, 186, 124) (112, 212) (113, 216) (115, 188, 181, 187) (116, 217, 195, 183) (118, 257, 232, 127) (120, 259, 262, 240) (130, 148) (131, 167, 175, 201) (145, 248) (156, 172, 165, 170) (179, 276, 234, 270) (222, 235, 247, 229) (233, 272) , (1, 2, 6, 19, 212, 197) (3, 113, 70, 142, 216, 246) (4, 253, 254, 265, 204, 213) (5, 208, 234) (7, 109, 159, 199, 198, 13) (8, 122, 170, 239,

207, 228) (10, 104, 185, 150, 99, 226) (11, 63, 103, 37, 194, 60) (12, 54) (14, 238, 115, 152, 215, 269) (15, 21, 201) (16, 77, 224, 56, 196, 44) (17, 40, 118, 24, 193, 184) (18, 86, 243, 139, 202, 47) (20, 141, 166, 45, 214, 75) (22, 92, 172, 67, 205, 62) (23, 29, 137, 232, 189, 121) (25, 154, 258, 275, 134, 168) (26, 79, 200, 218, 124, 169) (27, 174, 131, 58, 91, 264) (28, 112, 220, 151, 173, 223) (30, 178, 261) (31, 155, 250, 36, 191, 82) (32, 48, 161) (33, 102, 247, 160, 66, 111) (34, 61, 157) (35, 53, 52, 94, 38, 93) (39, 195) (41, 65, 83, 132, 186, 46) (42, 71, 49) (50, 85, 95, 267, 233, 128) (51, 130, 96, 148, 171, 145) (55, 87, 97, 273, 123, 68) (57, 90, 252, 244, 126, 181) (59, 117, 235, 164, 188, 255) (64, 125, 237, 81, 192, 203) (69, 271, 149, 144, 163, 80) (72, 158, 229, 101, 187, 221) (73, 236, 153, 180, 190, 219) (74, 225, 88, 222, 135, 263) (76, 120, 105, 257, 183, 210) (78, 108, 136, 133, 138, 249) (84, 167, 162, 146, 182, 245) (89, 262, 241, 127, 179, 106) (98, 268, 217) (100, 276) (107, 147) (110, 156, 259) (114, 165, 240) (116, 143) (119, 176, 211, 272, 231, 206) (129, 177, 260, 242, 227, 230) (140, 175, 256) (209, 251, 274) (266, 270).

The representatives of conjugacy classes of $G^{s_{10}}$ are:

() , (1, 132, 206) (2, 186, 119) (4, 117, 237) (5, 42, 61) (6, 46, 176) (7, 38, 55) (8, 210, 232) (9, 43, 248) (10, 185, 99) (11, 275, 166) (12, 276, 39) (13, 94, 68) (14, 180, 271) (15, 48, 140) (16, 158, 243) (17, 205, 127) (18, 196, 221) (19, 41, 211) (20, 194, 154) (21, 161, 175) (22, 106, 118) (23, 239, 105) (24, 92, 89) (25, 75, 37) (26, 260, 252) (27, 167, 171) (28, 263, 267) (29, 207, 257) (30, 268, 209) (31, 138, 160) (32, 256, 201) (33, 36, 108) (34, 234, 49) (35, 97, 159) (40, 62, 179) (44, 72, 86) (45, 63, 134) (47, 56, 187) (50, 151, 88) (51, 131, 146) (52, 123, 198) (53, 273, 199) (54, 100, 195) (57, 124, 129) (58, 182, 130) (59, 125, 213) (60, 258, 141) (64, 204, 255) (65, 272, 212) (66, 155, 249) (67, 241, 184) (69, 269, 153) (71, 157, 208) (73, 163, 152) (74, 233, 112) (76, 189, 122) (77, 229, 139) (78, 111, 250) (79, 242, 244) (80, 215, 236) (81, 253, 235) (82, 133, 247) (83, 231, 197) (84, 148, 264) (85, 173, 222) (87, 109, 93) (90, 169, 177) ([...]) , (1, 206, 132) (2, 119, 186) (4, 237, 117) (5, 61, 42) (6, 176, 46) (7, 55, 38) (8, 232, 210) (9, 248, 43) (10, 99, 185) (11, 166, 275) (12, 39, 276) (13, 68, 94) (14, 271, 180) (15, 140, 48) (16, 243, 158) (17, 127, 205) (18, 221, 196) (19, 211, 41) (20, 154, 194) (21, 175, 161) (22, 118, 106) (23, 105, 239) (24, 89, 92) (25, 37, 75) (26, 252, 260) (27, 171, 167) (28, 267, 263) (29, 257, 207) (30, 209, 268) (31, 160, 138) (32, 201, 256) (33, 108, 36) (34, 49, 234) (35, 159, 97) (40, 179, 62) (44, 86, 72) (45, 134, 63) (47, 187, 56) (50, 88, 151) (51, 146, 131) (52, 198, 123) (53, 199, 273) (54, 195, 100) (57, 129, 124) (58, 130, 182) (59, 213, 125) (60, 141, 258) (64, 255, 204) (65, 212, 272) (66, 249, 155) (67, 184, 241) (69, 153, 269) (71, 208, 157) (73, 152, 163) (74, 112, 233) (76, 122, 189) (77, 139, 229) (78, 250, 111) (79, 244, 242) (80, 236, 215) (81, 235, 253) (82, 247, 133) (83, 197, 231) (84, 264, 148) (85, 222, 173) (87, 93, 109) (90, 177, 169) ([...]) , (1, 50, 132, 151, 206, 88) (2, 85, 186, 173, 119, 222) (3, 142) (4, 230, 117, 181, 237, 218) (5, 261, 42, 98, 61, 274) (6, 95, 46, 223, 176, 135) (7, 196, 38, 221, 55, 18) (8, 118, 210, 22, 232, 106) (9, 248, 43) (10, 99, 185) (11, 163, 275, 152, 166, 73) (12, 266, 276, 147, 39, 116) (13, 56, 94, 187, 68, 47) (14, 75, 180, 37, 271, 25) (15, 140, 48) (16, 35, 158, 97, 243, 159) (17, 257, 205, 29, 127, 207) (19, 267, 41, 28, 211, 263) (20, 190, 194, 149, 154, 238) (21, 175, 161) (23, 241, 239, 184, 105, 67) (24, 76, 92, 189, 89, 122) (26, 265, 260, 188, 252, 203) (27, 171, 167) (30, 71, 268, 157, 209, 208) (31, 33, 138, 36, 160, 108) (32, 201, 256) (34, 251, 234, 178, 49, 217) (40, 183, 62, 137, 179, 228) (44, 93, 72, 87, 86, 109) (45, 236, 63, 80, 134, 215) (51, 146, 131) (52, 101, 123, 202, 198, 224) (53, 229, 273, 139, 199, 77) (54, 270, 100, 107, 195, 143) (57, 81, 124, 253, 129, 235) (58, 130, 182) (59, 126, 125, 200, 213, 227) ([...]) , (1, 151) (2, 173) (3, 142) (4, 181) (5, 98) (6, 223) (7, 221) (8, 22) (11, 152) (12, 147) (13, 187) (14, 37) (16, 97) (17, 29) (18, 38) (19, 28) (20, 149) (23, 184) (24, 189) (25, 180) (26, 188) (30, 157) (31, 36) (33, 160) (34, 178) (35, 243) (39, 266) (40, 137) (41, 263) (42, 274) (44, 87) (45, 80) (46, 135) (47, 94) (49, 251) (50, 206) (52, 202) (53, 139) (54, 107) (55, 196) (56, 68) (57, 253) (59, 200) (60, 115) (61, 261) (62, 228) (63, 215) (64, 242) (65, 74) (66, 102) (67, 239) (69, 214) (70, 246) (71, 209) (72, 109) (73, 275) (75, 271) (76, 89) (77, 273) (78, 133) (79, 255) (81, 129) (82, 250) (83, 225) (85, 119) (86, 93) (88, 132) (90, 254) (92, 122) (95, 176) (100, 143) (101, 198) (103, 269) (105, 241) (106, 210) (108, 138) (110, 114) (111, 247) (112, 212) (113, 216) (116, 276) (117, 218) (118, 232) (120, 262) (121, 193) (123, 224) (124, 235) (125, 227) (126, 213) (127, 257) (128, 231) (134, 236) (136, 249) (141, 144) (153, 168) (154, 190) (155, 191) (156, 165) (158, 159)

(163, 166) ([...]) , (1, 88, 206, 151, 132, 50) (2, 222, 119, 173, 186, 85) (3, 142) (4, 218, 237, 181, 117, 230)
 (5, 274, 61, 98, 42, 261) (6, 135, 176, 223, 46, 95) (7, 18, 55, 221, 38, 196) (8, 106, 232, 22, 210, 118) (9, 43,
 248) (10, 185, 99) (11, 73, 166, 152, 275, 163) (12, 116, 39, 147, 276, 266) (13, 47, 68, 187, 94, 56) (14, 25,
 271, 37, 180, 75) (15, 48, 140) (16, 159, 243, 97, 158, 35) (17, 207, 127, 29, 205, 257) (19, 263, 211, 28, 41,
 267) (20, 238, 154, 149, 194, 190) (21, 161, 175) (23, 67, 105, 184, 239, 241) (24, 122, 89, 189, 92, 76) (26,
 203, 252, 188, 260, 265) (27, 167, 171) (30, 208, 209, 157, 268, 71) (31, 108, 160, 36, 138, 33) (32, 256, 201)
 (34, 217, 49, 178, 234, 251) (40, 228, 179, 137, 62, 183) (44, 109, 86, 87, 72, 93) (45, 215, 134, 80, 63, 236)
 (51, 131, 146) (52, 224, 198, 202, 123, 101) (53, 77, 199, 139, 273, 229) (54, 143, 195, 107, 100, 270) (57, 235,
 129, 253, 124, 81) (58, 182, 130) (59, 227, 213, 200, 125, 126) ([...]) , (1, 249, 28) (2, 112, 78) (4, 68, 269)
 (5, 105, 210) (6, 108, 220) (7, 235, 180) (8, 61, 239) (10, 99, 185) (11, 244, 77) (12, 39, 276) (13, 153, 117)
 (14, 55, 253) (15, 245, 162) (16, 252, 60) (17, 209, 24) (18, 129, 75) (19, 151, 136) (20, 177, 86) (21, 146, 84)
 (22, 261, 67) (23, 232, 42) (25, 221, 124) (26, 258, 158) (27, 58, 256) (29, 71, 189) (30, 92, 205) (31, 231, 95)
 (32, 171, 130) (33, 225, 46) (34, 228, 170) (35, 203, 144) (36, 128, 176) (37, 196, 57) (38, 81, 271) (40, 193,
 251) (41, 88, 102) (44, 194, 90) (45, 202, 227) (47, 214, 230) (48, 96, 145) (49, 137, 121) (50, 191, 211) (51,
 148, 161) (52, 125, 80) (53, 163, 64) (54, 100, 195) (56, 103, 181) (59, 236, 198) (62, 172, 178) (63, 224, 126)
 (65, 247, 222) (66, 263, 132) (69, 237, 94) (72, 154, 169) (73, 255, 199) (74, 111, 186) (76, 257, 208) (79, 229,
 275) (82, 85, 272) (83, 135, 160) (87, 238, 254) (89, 127, 268) (91, 174, 140) (93, 149, 192) (97, 265, 115)
 (98, 241, 106) (101, 200, 134) ([...]) , (1, 191, 263, 151, 155, 41) (2, 272, 111, 173, 233, 247) (3, 142) (4, 47,
 153, 181, 94, 168) (5, 67, 232, 98, 239, 118) (6, 31, 225, 223, 36, 83) (7, 57, 271, 221, 253, 75) (8, 274, 105,
 22, 42, 241) (9, 248, 43) (10, 185, 99) (11, 64, 229, 152, 242, 199) (12, 116, 39, 147, 276, 266) (13, 103, 237,
 187, 269, 230) (14, 18, 235, 37, 38, 124) (15, 91, 145) (16, 203, 258, 97, 260, 219) (17, 208, 92, 29, 268, 122)
 (19, 206, 102, 28, 50, 66) (20, 164, 44, 149, 169, 87) (21, 131, 148) (23, 106, 61, 184, 210, 261) (24, 257, 30,
 189, 127, 157) (25, 55, 129, 180, 196, 81) (26, 115, 243, 188, 60, 35) (27, 130, 201) (32, 167, 58) (33, 197,
 176, 160, 220, 95) (34, 40, 120, 178, 137, 262) (45, 198, 126, 80, 101, 213) (46, 138, 128, 135, 108, 231) (48,
 245, 174) (49, 179, 170, 251, 183, 172) (51, 84, 175) (52, 200, 215, 202, 59, 63) (53, 275, 204, 139, 73, 244)
 (54, 107) (56, 69, 218, 68, 214, 117) (62, 121, 217, 228, 193, 234) (65, 78, 85, 74, 133, 119) ([...]) , (2, 78)
 (4, 60) (5, 241) (7, 275) (8, 22) (10, 226) (11, 55) (12, 143) (13, 26) (14, 244) (15, 245) (16, 269) (17, 29) (18,
 163) (19, 136) (20, 52) (21, 146) (23, 274) (24, 71) (25, 255) (27, 256) (28, 249) (30, 122) (31, 231) (32, 171)
 (33, 225) (34, 62) (35, 214) (36, 128) (37, 204) (38, 166) (39, 107) (40, 49) (41, 102) (42, 184) (44, 213) (45,
 192) (47, 203) (48, 96) (51, 161) (53, 129) (54, 266) (56, 265) (57, 273) (59, 72) (61, 67) (63, 254) (64, 75)
 (66, 263) (68, 252) (69, 243) (73, 221) (76, 268) (77, 253) (79, 180) (80, 177) (81, 139) (82, 85) (83, 160) (86,
 125) (87, 126) (89, 208) (90, 215) (91, 140) (92, 157) (93, 227) (94, 260) (97, 103) (98, 105) (99, 150) (100,
 147) (101, 190) (104, 185) (106, 210) (108, 220) (109, 200) (110, 114) (111, 186) (115, 181) (116, 195) (117,
 258) (118, 232) (119, 250) (120, 262) (121, 193) (123, 194) (124, 199) (127, 257) (131, 175) (133, 173) (134,
 164) (137, 251) (138, 197) (141, 237) (144, 230) (149, 202) (152, 196) (153, 158) (154, 198) (155, 267) ([...])
) , (1, 132, 206) (2, 111, 119, 78, 186, 250) (4, 258, 237, 60, 117, 141) (5, 184, 61, 241, 42, 67) (6, 46, 176)
 (7, 166, 55, 275, 38, 11) (8, 106, 232, 22, 210, 118) (9, 43, 248) (10, 104, 99, 226, 185, 150) (12, 270, 39, 143,
 276, 107) (13, 260, 68, 26, 94, 252) (14, 79, 271, 244, 180, 242) (15, 96, 140, 245, 48, 91) (16, 153, 243, 269,
 158, 69) (17, 207, 127, 29, 205, 257) (18, 152, 221, 163, 196, 73) (19, 102, 211, 136, 41, 191) (20, 123, 154,
 52, 194, 198) (21, 51, 175, 146, 161, 131) (23, 261, 105, 274, 239, 98) (24, 157, 89, 71, 92, 208) (25, 64, 37,
 255, 75, 204) (27, 201, 171, 256, 167, 32) (28, 66, 267, 249, 263, 155) (30, 76, 209, 122, 268, 189) (31, 197,
 160, 231, 138, 83) (33, 128, 108, 225, 36, 220) (34, 179, 49, 62, 234, 40) (35, 103, 159, 214, 97, 168) (44, 59,
 86, 213, 72, 125) (45, 254, 134, 192, 63, 164) (47, 265, 187, 203, 56, 188) (50, 151, 88) (53, 57, 199, 129, 273,
 124) (54, 147, 195, 266, 100, 116) (58, 182, 130) ([...]) , (1, 206, 132) (2, 250, 186, 78, 119, 111) (4, 141,
 117, 60, 237, 258) (5, 67, 42, 241, 61, 184) (6, 176, 46) (7, 11, 38, 275, 55, 166) (8, 118, 210, 22, 232, 106)
 (9, 248, 43) (10, 150, 185, 226, 99, 104) (12, 107, 276, 143, 39, 270) (13, 252, 94, 26, 68, 260) (14, 242, 180,
 244, 271, 79) (15, 91, 48, 245, 140, 96) (16, 69, 158, 269, 243, 153) (17, 257, 205, 29, 127, 207) (18, 73, 196,

163, 221, 152) (19, 191, 41, 136, 211, 102) (20, 198, 194, 52, 154, 123) (21, 131, 161, 146, 175, 51) (23, 98,
 239, 274, 105, 261) (24, 208, 92, 71, 89, 157) (25, 204, 75, 255, 37, 64) (27, 32, 167, 256, 171, 201) (28, 155,
 263, 249, 267, 66) (30, 189, 268, 122, 209, 76) (31, 83, 138, 231, 160, 197) (33, 220, 36, 225, 108, 128) (34,
 40, 234, 62, 49, 179) (35, 168, 97, 214, 159, 103) (44, 125, 72, 213, 86, 59) (45, 164, 63, 192, 134, 254) (47,
 188, 56, 203, 187, 265) (50, 88, 151) (53, 124, 273, 129, 199, 57) (54, 116, 100, 266, 195, 147) (58, 130, 182)
 ([...]) , (1, 50, 132, 151, 206, 88) (2, 82, 186, 133, 119, 247) (3, 142) (4, 144, 117, 115, 237, 219) (5, 239,
 42, 105, 61, 23) (6, 95, 46, 223, 176, 135) (7, 152, 38, 73, 55, 163) (8, 232, 210) (9, 248, 43) (10, 150, 185,
 226, 99, 104) (11, 18, 275, 196, 166, 221) (12, 54, 276, 100, 39, 195) (13, 265, 94, 188, 68, 203) (14, 64, 180,
 204, 271, 255) (15, 91, 48, 245, 140, 96) (16, 214, 158, 103, 243, 168) (17, 127, 205) (19, 155, 41, 249, 211,
 66) (20, 101, 194, 202, 154, 224) (21, 131, 161, 146, 175, 51) (22, 118, 106) (24, 268, 92, 209, 89, 30) (25,
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272) (7, 20, 97, 275, 52, 103) (8, 127, 121, 22, 257, 193) (9, 43, 248) (10, 226) (11, 198, 214, 55, 154, 35) (12, 270, 39, 143, 276, 107) (13, 129, 87, 26, 53, 126) (14, 169, 144, 244, 236, 230) (15, 51, 256, 245, 161, 27) (16, 73, 202, 269, 221, 149) (17, 170, 106, 29, 172, 210) (18, 238, 158, 163, 224, 153) (19, 111, 231, 136, 186, 31) (21, 171, 140, 146, 32, 91) (23, 30, 183, 274, 122, 217) (28, 247, 128, 249, 222, 36) (33, 267, 133, 225, 155, 173) (37, 164, 141, 204, 134, 237) (38, 194, 159, 166, 123, 168) (40, 61, 89, 49, 67, 208) (41, 250, 197, 102, 119, 138) (42, 92, 234, 184, 157, 179) (44, 188, 139, 213, 187, 81) (46, 206, 212) (47, 253, 72, 203, 77, 59) (48, 131, 201, 96, 175, 167) (50, 112, 135) (54, 147, 195, 266, 100, 116) (56, 235, 86, 265, 229, 125) (57, 109, 260, 273, 200, 94) (58, 162, 148) (63, 117, 75, 254, 258, 64) ([...]) , (1, 272, 46) (2, 31, 41, 78, 231, 102) (3, 216, 70) (4, 75, 164, 60, 64, 134) (5, 92, 49, 241, 157, 40) (6, 206, 65) (7, 194, 35, 275, 123, 214) (8, 17, 120, 22, 29, 262) (9, 248, 43) (10, 104, 99, 226, 185, 150) (11, 52, 168, 55, 20, 159) (12, 107, 276, 143, 39, 270) (13, 57, 93, 26, 273, 227) (14, 177, 219, 244, 80, 218) (15, 131, 32, 245, 175, 171) (16, 163, 101, 269, 18, 190) (19, 250, 83, 136, 119, 160) (21, 27, 48, 146, 256, 96) (23, 268, 228, 274, 76, 178) (24, 234, 67, 71, 179, 61) (25, 254, 141, 255, 63, 237) (28, 82, 225, 249, 85, 33) (30, 137, 98, 122, 251, 105) (34, 184, 208, 62, 42, 89) (36, 263, 133, 128, 66, 173) (37, 192, 258, 204, 45, 117) (38, 154, 97, 166, 198, 103) (44, 203, 229, 213, 47, 235) (50, 74, 223) (51, 201, 91, 161, 167, 140) (53, 200, 68, 129, 109, 252) (54, 116, 100, 266, 195, 147) (56, 81, 72, 265, 139, 59) (58, 145, 84) (69, 221, 238, 243, 73, 224) (77, 125, 187, 253, 86, 188) (79, 215, 230, 180, 90, 144) ([...]) , (1, 233, 46, 151, 272, 135) (2, 36, 41, 133, 231, 66) (3, 113, 70, 142, 216, 246) (4, 271, 164, 115, 64, 236) (5, 122, 49, 105, 157, 137) (6, 50, 65, 223, 206, 74) (7, 238, 35, 73, 123, 69) (8, 29, 120) (9, 248, 43) (10, 104, 99, 226, 185, 150) (11, 202, 168, 196, 20, 158) (12, 54, 276, 100, 39, 195) (13, 253, 93, 188, 273, 125) (14, 192, 219, 204, 80, 117) (15, 131, 32, 245, 175, 171) (16, 166, 101, 103, 18, 154) (17, 262, 22) (19, 82, 83, 249, 119, 33) (21, 27, 48, 146, 256, 96) (23, 208, 228, 42, 76, 34) (24, 217, 67, 209, 179, 261) (25, 90, 141, 79, 63, 230) (26, 77, 227, 187, 57, 86) (28, 250, 225, 136, 85, 160) (30, 40, 98, 92, 251, 241) (31, 263, 78, 128, 102, 173) (37, 177, 258, 244, 45, 218) (38, 190, 97, 163, 198, 269) (44, 260, 229, 126, 47, 124) (51, 201, 91, 161, 167, 140) (52, 153, 55, 149, 159, 152) (53, 59, 68, 81, 109, 265) (56, 129, 72, 252, 139, 200) (58, 145, 84) (60, 242, 134, 181, 75, 169) (61, 189, 234, 239, 71, 183) ([...]) , (1, 112, 6, 151, 212, 223) (2, 108, 19, 133, 197, 249) (3, 113, 70, 142, 216, 246) (4, 14, 254, 115, 204, 215) (5, 76, 234, 105, 208, 183) (7, 190, 159, 73, 198, 153) (8, 207, 170) (10, 150, 185, 226, 99, 104) (11, 224, 103, 196, 194, 16) (12, 100) (13, 235, 109, 188, 199, 59) (15, 146, 201, 245, 21, 167) (17, 193, 118) (18, 20, 243, 166, 202, 214) (22, 205, 172) (23, 71, 137, 42, 189, 49) (24, 251, 184, 209, 40, 274) (25, 169, 258, 79, 134, 218) (26, 229, 200, 187, 124, 72) (27, 140, 131, 256, 91, 175) (28, 78, 220, 136, 173, 138) (29, 121, 232) (30, 62, 261, 92, 178, 67) (31, 267, 250, 128, 191, 85) (32, 96, 161, 171, 48, 51) (33, 41, 247, 83, 66, 186) (34, 239, 157, 228, 61, 122) (35, 163, 52, 69, 38, 149) (36, 211, 82, 231, 155, 119) (37, 90, 60, 244, 63, 181) (39, 54) (44, 252, 77, 126, 56, 57) (45, 230, 75, 177, 141, 242) (46, 88, 65, 135, 132, 74) (47, 129, 86, 260, 139, 227) (50, 272, 95, 206, 233, 176) (53, 125, 94, 81, 93, 203) ([...]) , (1, 74, 176, 151, 65, 95) (2, 33, 211, 133, 83, 155) (3, 113, 70, 142, 216, 246) (4, 180, 192, 115, 255, 80) (5, 189, 34, 105, 71, 228) (6, 88, 272, 223, 132, 233) (7, 149, 97, 73, 52, 269) (8, 257, 121) (9, 43, 248) (10, 226) (11, 101, 214, 196, 154, 243) (12, 195, 39, 100, 276, 54) (13, 81, 87, 188, 53, 213) (14, 164, 144, 204, 236, 237) (15, 51, 256, 245, 161, 27) (16, 275, 202, 103, 221, 20) (17, 172, 106) (18, 194, 158, 166, 224, 168) (19, 247, 231, 249, 186, 36) (21, 171, 140, 146, 32, 91) (22, 127, 193) (23, 157, 183, 42, 122, 234) (24, 178, 241, 209, 62, 98) (25, 177, 60, 79, 45, 181) (26, 139, 126, 187, 129, 44) (28, 111, 128, 136, 222, 31) (29, 170, 210) (30, 179, 274, 92, 217, 184) (35, 152, 198, 69, 55, 190) (37, 169, 141, 244, 134, 230) (38, 238, 159, 163, 123, 153) (40, 261, 89, 251, 67, 268) (41, 82, 197, 66, 119, 108) (46, 50, 212, 135, 206, 112) (47, 57, 72, 260, 77, 200) (48, 131, 201, 96, 175, 167) (49, 239, 208, 137, 61, 76) ([...]) .

The character table of $G^{s_{10}}$:

	10										20										
$\chi_{10}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
$\chi_{10}^{(2)}$	1	1	1	-1	-1	-1	1	-1	1	1	1	-1	-1	-1	-1	-1	1	1	1	1	
$\chi_{10}^{(3)}$	1	1	1	-1	-1	-1	1	-1	1	1	1	-1	-1	-1	-1	-1	1	1	1	-D	
$\chi_{10}^{(4)}$	1	1	1	-1	-1	-1	1	-1	1	1	1	-1	-1	-1	-1	-1	1	1	1	-/D	
$\chi_{10}^{(5)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-D	
$\chi_{10}^{(6)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-/D	
$\chi_{10}^{(7)}$	2	2	2	2	2	2	2	2	-2	-2	-2	-2	-2	-2	.	.	.	.	.	-1
$\chi_{10}^{(8)}$	2	2	2	-2	-2	-2	2	-2	-2	-2	-2	2	2	2	.	.	.	.	.	-1
$\chi_{10}^{(9)}$	2	2	2	2	2	2	2	2	-2	-2	-2	-2	-2	-2	.	.	.	.	.	/D
$\chi_{10}^{(10)}$	2	2	2	2	2	2	2	2	-2	-2	-2	-2	-2	-2	.	.	.	.	.	D
$\chi_{10}^{(11)}$	2	2	2	-2	-2	-2	2	-2	-2	-2	-2	2	2	2	.	.	.	.	.	/D
$\chi_{10}^{(12)}$	2	2	2	-2	-2	-2	2	-2	-2	-2	-2	2	2	2	.	.	.	.	.	D
$\chi_{10}^{(13)}$	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-1	-1	-1	-1	-1	.	
$\chi_{10}^{(14)}$	3	3	3	-3	-3	-3	3	-3	3	3	3	-3	-3	-3	1	1	1	-1	-1	.	
$\chi_{10}^{(15)}$	3	A	/A	/A	3	A	.	.	-1	D	/D	/D	-1	D	1	-D	-/D	-/D	1	-D	F
$\chi_{10}^{(16)}$	3	/A	A	A	3	/A	.	.	-1	/D	D	D	-1	/D	1	-/D	-D	-D	1	-/D	/F
$\chi_{10}^{(17)}$	3	A	/A	/A	3	A	.	.	-1	D	/D	/D	-1	D	1	-D	-/D	-/D	1	-D	-/F
$\chi_{10}^{(18)}$	3	/A	A	A	3	/A	.	.	-1	/D	D	D	-1	/D	1	-/D	-D	-D	1	-/D	-F
$\chi_{10}^{(19)}$	3	A	/A	/A	3	A	.	.	-1	D	/D	/D	-1	D	1	-D	-/D	-/D	1	-D	G
$\chi_{10}^{(20)}$	3	/A	A	A	3	/A	.	.	-1	/D	D	D	-1	/D	1	-/D	-D	-D	1	-/D	-G
$\chi_{10}^{(21)}$	3	A	/A	-/A	-3	-A	.	.	-1	D	/D	-/D	1	-D	-1	D	/D	-/D	1	-D	F
$\chi_{10}^{(22)}$	3	/A	A	-A	-3	-/A	.	.	-1	/D	D	-D	1	-/D	-1	/D	D	-D	1	-/D	/F
$\chi_{10}^{(23)}$	3	A	/A	-/A	-3	-A	.	.	-1	D	/D	-/D	1	-D	-1	D	/D	-/D	1	-D	-/F
$\chi_{10}^{(24)}$	3	/A	A	-A	-3	-/A	.	.	-1	/D	D	-D	1	-/D	-1	/D	D	-D	1	-/D	-F
$\chi_{10}^{(25)}$	3	A	/A	-/A	-3	-A	.	.	-1	D	/D	-/D	1	-D	-1	D	/D	-/D	1	-D	G
$\chi_{10}^{(26)}$	3	/A	A	-A	-3	-/A	.	.	-1	/D	D	-D	1	-/D	-1	/D	D	-D	1	-/D	-G
$\chi_{10}^{(27)}$	6	B	/B	/B	6	B	.	.	2	E	/E	/E	2	E	.	.	.	.	.	-G
$\chi_{10}^{(28)}$	6	/B	B	B	6	/B	.	.	2	/E	E	E	2	/E	.	.	.	.	.	G
$\chi_{10}^{(29)}$	6	B	/B	/B	6	B	.	.	2	E	/E	/E	2	E	.	.	.	.	.	-F
$\chi_{10}^{(30)}$	6	/B	B	B	6	/B	.	.	2	/E	E	E	2	/E	.	.	.	.	.	-/F
$\chi_{10}^{(31)}$	6	B	/B	/B	6	B	.	.	2	E	/E	/E	2	E	.	.	.	.	.	/F
$\chi_{10}^{(32)}$	6	/B	B	B	6	/B	.	.	2	/E	E	E	2	/E	.	.	.	.	.	F
$\chi_{10}^{(33)}$	6	B	/B	-/B	-6	-B	.	.	2	E	/E	-/E	-2	-E	.	.	.	.	.	-G
$\chi_{10}^{(34)}$	6	/B	B	-B	-6	-/B	.	.	2	/E	E	-E	-2	-/E	.	.	.	.	.	G
$\chi_{10}^{(35)}$	6	B	/B	-/B	-6	-B	.	.	2	E	/E	-/E	-2	-E	.	.	.	.	.	-F
$\chi_{10}^{(36)}$	6	/B	B	-B	-6	-/B	.	.	2	/E	E	-E	-2	-/E	.	.	.	.	.	-/F
$\chi_{10}^{(37)}$	6	B	/B	-/B	-6	-B	.	.	2	E	/E	-/E	-2	-E	.	.	.	.	.	/F
$\chi_{10}^{(38)}$	6	/B	B	-B	-6	-/B	.	.	2	/E	E	-E	-2	-/E	.	.	.	.	.	F
$\chi_{10}^{(39)}$	8	8	8	8	8	8	-1	-1	.	.	.	.	.	.	.	.	.	.	.	2
$\chi_{10}^{(40)}$	8	8	8	-8	-8	-8	-1	1	.	.	.	.	.	.	.	.	.	.	.	2
$\chi_{10}^{(41)}$	8	8	8	8	8	8	-1	-1	.	.	.	.	.	.	.	.	.	.	.	E
$\chi_{10}^{(42)}$	8	8	8	8	8	8	-1	-1	.	.	.	.	.	.	.	.	.	.	.	/E
$\chi_{10}^{(43)}$	8	8	8	-8	-8	-8	-1	1	.	.	.	.	.	.	.	.	.	.	.	E
$\chi_{10}^{(44)}$	8	8	8	-8	-8	-8	-1	1	.	.	.	.	.	.	.	.	.	.	.	/E
$\chi_{10}^{(45)}$	9	C	/C	/C	9	C	.	.	-3	-A	-/A	-/A	-3	-A	-1	D	/D	/D	-1	D	.
$\chi_{10}^{(46)}$	9	/C	C	C	9	/C	.	.	-3	-/A	-A	-A	-3	-/A	-1	/D	D	D	-1	/D	.

$\chi_{10}^{(1)}$	1	1	1	1	1	1	1	1
$\chi_{10}^{(2)}$	1	-1	1	1	1	-1	-1	-1
$\chi_{10}^{(3)}$	-/D	/D	-/D	-/D	-/D	/D	/D	/D
$\chi_{10}^{(4)}$	-D	D	-D	-D	-D	D	D	D
$\chi_{10}^{(5)}$	-/D	-/D	-/D	-/D	-/D	-/D	-/D	-/D
$\chi_{10}^{(6)}$	-D	-D	-D	-D	-D	-D	-D	-D
$\chi_{10}^{(7)}$	-1	-1	1	1	1	1	1	1
$\chi_{10}^{(8)}$	-1	1	1	1	1	-1	-1	-1
$\chi_{10}^{(9)}$	D	D	-D	-D	-D	-D	-D	-D
$\chi_{10}^{(10)}$	/D	/D	-/D	-/D	-/D	-/D	-/D	-/D
$\chi_{10}^{(11)}$	D	-D	-D	-D	-D	D	D	D
$\chi_{10}^{(12)}$	/D	-/D	-/D	-/D	-/D	/D	/D	/D
$\chi_{10}^{(13)}$	.	.	.	.	.	.	.	.
$\chi_{10}^{(14)}$	.	.	.	.	.	.	.	.
$\chi_{10}^{(15)}$	.	.	/D	-1	D	D	/D	-1
$\chi_{10}^{(16)}$	.	.	D	-1	/D	/D	D	-1
$\chi_{10}^{(17)}$	.	.	D	/D	-1	-1	D	/D
$\chi_{10}^{(18)}$	.	.	/D	D	-1	-1	/D	D
$\chi_{10}^{(19)}$	.	.	-1	D	/D	/D	-1	D
$\chi_{10}^{(20)}$	.	.	-1	/D	D	D	-1	/D
$\chi_{10}^{(21)}$	.	.	/D	-1	D	-D	-/D	1
$\chi_{10}^{(22)}$	.	.	D	-1	/D	-/D	-D	1
$\chi_{10}^{(23)}$	.	.	D	/D	-1	1	-D	-/D
$\chi_{10}^{(24)}$	.	.	/D	D	-1	1	-/D	-D
$\chi_{10}^{(25)}$	.	.	-1	D	/D	-/D	1	-D
$\chi_{10}^{(26)}$	.	.	-1	/D	D	-D	1	-/D
$\chi_{10}^{(27)}$	.	.	-1	D	/D	/D	-1	D
$\chi_{10}^{(28)}$	.	.	-1	/D	D	D	-1	/D
$\chi_{10}^{(29)}$	.	.	/D	-1	D	D	/D	-1
$\chi_{10}^{(30)}$	.	.	D	-1	/D	/D	D	-1
$\chi_{10}^{(31)}$	.	.	D	/D	-1	-1	D	/D
$\chi_{10}^{(32)}$	.	.	/D	D	-1	-1	/D	D
$\chi_{10}^{(33)}$	.	.	-1	D	/D	-/D	1	-D
$\chi_{10}^{(34)}$	.	.	-1	/D	D	-D	1	-/D
$\chi_{10}^{(35)}$	.	.	/D	-1	D	-D	-/D	1
$\chi_{10}^{(36)}$	.	.	D	-1	/D	-/D	-D	1
$\chi_{10}^{(37)}$	.	.	D	/D	-1	1	-D	-/D
$\chi_{10}^{(38)}$	.	.	/D	D	-1	1	-/D	-D
$\chi_{10}^{(39)}$	-1	-1	.	.	.	.	.	.
$\chi_{10}^{(40)}$	-1	1	.	.	.	.	.	.
$\chi_{10}^{(41)}$	/D	/D	.	.	.	.	.	.
$\chi_{10}^{(42)}$	D	D	.	.	.	.	.	.
$\chi_{10}^{(43)}$	/D	-/D	.	.	.	.	.	.
$\chi_{10}^{(44)}$	D	-D	.	.	.	.	.	.
$\chi_{10}^{(45)}$	.	.	.	.	.	.	.	.
$\chi_{10}^{(46)}$	.	.	.	.	.	.	.	.
$\chi_{10}^{(47)}$	.	.	.	.	.	.	.	.

where $A=3^*E(3)^2=(-3\cdot 3^*ER(-3))/2=-3\cdot 3b3$; $B=6^*E(3)^2=-3\cdot 3^*ER(-3)=-3\cdot 3i3$; $C=9^*E(3)^2=(-9\cdot 9^*ER(-3))/2=-9\cdot 9b3$; $D=-E(3)^2=(1+ER(-3))/2=1+b3$; $E=2^*E(3)^2=-1\cdot ER(-3)=-1\cdot i3$; $F=2^*E(3)+E(3)^2=(-3+ER(-3))/2=-1+b3$; $G=-E(3)+E(3)^2=-ER(-3)=-i3$.

The generators of $G^{s_{11}}$ are:

(1, 151) (2, 173) (3, 142) (4, 181) (5, 98) (6, 223) (7, 221) (8, 22) (11, 152) (12, 147) (13, 187) (14, 37) (16, 97) (17, 29) (18, 38) (19, 28) (20, 149) (23, 184) (24, 189) (25, 180) (26, 188) (30, 157) (31, 36) (33, 160) (34, 178) (35, 243) (39, 266) (40, 137) (41, 263) (42, 274) (44, 87) (45, 80) (46, 135) (47, 94) (49, 251) (50, 206) (52, 202) (53, 139) (54, 107) (55, 196) (56, 68) (57, 253) (59, 200) (60, 115) (61, 261) (62, 228) (63, 215) (64, 242) (65, 74) (66, 102) (67, 239) (69, 214) (70, 246) (71, 209) (72, 109) (73, 275) (75, 271) (76, 89) (77, 273) (78, 133) (79, 255) (81, 129) (82, 250) (83, 225) (85, 119) (86, 93) (88, 132) (90, 254) (92, 122) (95, 176) (100, 143) (101, 198) (103, 269) (105, 241) (106, 210) (108, 138) (110, 114) (111, 247) (112, 212) (113, 216) (116, 276) (117, 218) (118, 232) (120, 262) (121, 193) (123, 224) (124, 235) (125, 227) (126, 213) (127, 257) (128, 231) (134, 236) (136, 249) (141, 144) (153, 168) (154, 190) (155, 191) (156, 165) (158, 159) (163, 166) (164, 169) (170, 172) (177, 192) (179, 183) (186, 222) (194, 238) (195, 270) (197, 220) (199, 229) (203, 260) (204, 244) (205, 207) (208, 268) (211, 267) (217, 234) (219, 258) (230, 237) (233, 272) (240, 259) (252, 265) , (4, 5, 270, 263) (6, 57, 246, 273) (7, 74, 275, 272) (8, 56, 240, 252) (9, 264) (10, 226, 245, 15) (11, 72, 224, 247) (12, 262, 100, 17) (13, 267, 234, 251) (14, 235, 254, 20) (16, 69, 266, 268) (18, 227, 225, 255) (19, 232, 249, 257) (21, 51, 99, 256) (22, 68, 259, 265) (23, 117, 94, 24) (25, 33, 93, 163) (26, 137, 179, 155) (27, 150, 161, 146) (28, 118, 136, 127) (29, 147, 120, 143) (30, 165, 92, 172) (31, 119, 129, 169) (32, 140, 91, 171) (34, 141, 178, 144) (35, 103, 89, 107) (36, 85, 81, 164) (37, 124, 90, 149) (38, 125, 83, 79) (39, 208, 97, 214) (40, 183, 191, 188) (41, 181, 98, 195) (42, 209, 203, 219) (43, 48, 182, 96) (44, 95, 213, 46) (45, 216, 192, 212) (47, 189, 184, 218) (49, 187, 211, 217) (50, 207, 206, 205) (52, 63, 229, 244) (53, 250, 231, 236) (54, 243, 269, 76) (55, 222, 238, 59) (58, 248) (60, 66, 276, 241) (61, 67, 261, 239) (62, 230, 228, 237) (64, 242) (65, 73, 233, 221) (70, 77, 223, 253) (71, 260, 258, 274) (75, 271) (80, 113, 177, 112) (82, 128, 134, 139) (84, 175, 162, 131) (86, 166, 180, 160) (87, 176, 126, 135) (88, 110, 132, 114) (102, 116, 105, 115) (104, 167) (108, 138) (109, 123, 111, 152) (122, 170, 157, 156) (130, 148) (145, 174) (153, 158, 168, 159) (185, 201) (186, 194, 200, 196) (197, 220) (199, 204, 202, 215) , (3, 11, 250) (4, 73, 271) (5, 209, 260) (6, 41, 267) (7, 69, 242) (8, 59, 237) (9, 182, 99) (10, 248, 21) (12, 14, 227) (13, 233, 274) (15, 48, 264) (16, 217, 251) (17, 210, 236) (18, 72, 255) (19, 232, 100) (20, 247, 257) (22, 200, 230) (23, 155, 177) (24, 115, 94) (26, 102, 133) (27, 104, 84) (28, 118, 143) (29, 106, 134) (30, 141, 169) (31, 86, 170) (32, 162, 174) (33, 119, 158) (34, 88, 168) (35, 103, 137) (36, 93, 172) (37, 125, 147) (38, 109, 79) (39, 57, 219) (40, 243, 269) (42, 187, 272) (43, 185, 245) (44, 183, 198) (45, 95, 212) (46, 218, 76) (47, 189, 60) (49, 97, 234) (50, 222, 52) (51, 226, 201) (53, 235, 254) (54, 216, 276) (55, 244, 62) (56, 205, 215) (58, 96, 256) (61, 252, 238) (63, 68, 207) (64, 221, 214) (65, 70, 273) (66, 78, 188) (67, 229, 259) (71, 203, 98) (74, 246, 77) (75, 181, 275) (80, 176, 112) (82, 142, 152) (83, 136, 128) (85, 159, 160) (87, 179, 101) (89, 135, 117) (90, 139, 124) (91, 148, 161) (92, 166, 114) (105, 126, 154) (107, 113, 116) (110, 122, 163) (111, 127, 149) (120, 123, 121) (130, 145, 167) (132, 153, 178) (140, 146, 175) (144, 164, 157) (184, 191, 192) (186, 202, 206) (190, 241, 213) (193, 262, 224) (194, 261, 265) (195, 220, 268) (196, 204, 228) (197, 208, 270) (199, 240, 239) (211, 223, 263) (225, 249, 231) (253, 258, 266) , (2, 4, 35, 191, 94, 242) (3, 11, 50, 153, 88, 222) (5, 40, 107, 126, 190, 268) (6, 42, 135, 80, 95, 276) (7, 214, 187, 260, 269, 78) (8, 20, 193, 134, 127, 239) (9, 167, 84, 99, 248, 15) (10, 175, 131, 140, 91, 226) (12, 194, 90, 147, 238, 254) (13, 203, 103, 133, 221, 69) (14, 18, 129, 119, 237, 252) (16, 211, 275, 271, 188, 60) (17, 36, 114, 92, 118, 59) (19, 166, 124, 82, 79, 56) (21, 43, 27, 148, 96, 264) (22, 149, 121, 236, 257, 67) (23, 195, 192) (24, 49, 220, 87, 183, 76) (25, 53, 249, 141, 229, 244) (26, 115, 97, 267, 73, 75) (28, 163, 235, 250, 255, 68) (29, 31, 110, 122, 232, 200) (30, 128, 109, 157, 231, 72) (32, 58, 161, 162, 185, 130) (33, 225, 86, 125, 228, 178) (34, 160, 83, 93, 227, 62) (37, 38, 81, 85, 230, 265) (39, 71, 101, 108, 241, 217) (41, 113, 117, 233, 273, 74) (44, 179, 89, 189, 251, 197) (45, 176, 116, 223, 274, 46)

(47, 64, 173, 181, 243, 155) (48, 256, 146) (51, 171, 104) (52, 61, 164, 202, 261, 169) (54, 213, 154, 208, 98, 137) (55, 247, 158) (57, 258, 102) (63, 172, 123, 240, 100, 207) (65, 263, 216, 218, 272, 77) (66, 253, 219) (105, 234, 266, 209, 198, 138) (106, 120, 156, 210, 262, 165) (111, 159, 196) (132, 186, 142, 152, 206, 168) (136, 144, 199, 204, 180, 139) (143, 205, 215, 170, 224, 259) (145, 182, 174) (150, 201, 245) (177, 184, 270) , (1, 2) (3, 40, 255, 54, 20, 183) (4, 41, 251, 208, 272, 77) (5, 70, 274, 13, 195, 242) (6, 73, 271, 74, 71, 253) (7, 39, 260) (8, 200, 237, 199, 202, 239) (9, 43, 248, 10, 185, 99) (11, 46, 232, 241, 231, 269) (12, 45, 236, 276, 18, 188) (14, 76, 250, 198, 53, 212) (15, 48, 264, 51, 256, 201) (16, 217, 267, 258, 214, 197) (17, 190, 100, 47, 257, 216) (19, 218, 227, 66, 193, 60) (22, 59, 230, 229, 52, 67) (23, 123, 133, 109, 35, 83) (24, 120, 155, 90, 87, 111) (25, 163, 153, 141, 170, 122) (26, 147, 80, 134, 116, 38) (27, 145, 174, 146, 84, 171) (28, 117, 125, 102, 121, 115) (29, 154, 143, 94, 127, 113) (30, 178, 159, 86, 169, 81) (31, 160, 165, 85, 132, 110) (32, 131, 162, 167, 148, 140) (33, 156, 119, 88, 114, 36) (34, 158, 93, 164, 129, 157) (37, 89, 82, 101, 139, 112) (42, 187, 270, 64, 98, 246) (44, 247, 189, 262, 191, 254) (49, 268, 233, 273, 181, 263) (50, 186, 240, 206, 222, 259) (55, 265) (56, 261, 244, 62, 194, 205) (57, 223, 275, 75, 65, 209) (58, 96, 226) (61, 204, 228, 238, 207, 68) (69, 220, 97, 234, 211, 219) (72, 243, 225, 184, 224, 78) (79, 107, 149, 179, 142, 137) (91, 130, 104, 175, 161, 150) (92, 180, 166, 168, 144, 172) (95, 235, 192, 249, 213, 210) (103, 152, 135, 118, 105, 128) (106, 176, 124, 177, 136, 126) (108, 138) (151, 173) (182, 245) (196, 252) (203, 221, 266).

The representatives of conjugacy classes of $G^{s_{11}}$ are:

() , (1, 151) (2, 173) (3, 142) (4, 181) (5, 98) (6, 223) (7, 221) (8, 22) (11, 152) (12, 147) (13, 187) (14, 37) (16, 97) (17, 29) (18, 38) (19, 28) (20, 149) (23, 184) (24, 189) (25, 180) (26, 188) (30, 157) (31, 36) (33, 160) (34, 178) (35, 243) (39, 266) (40, 137) (41, 263) (42, 274) (44, 87) (45, 80) (46, 135) (47, 94) (49, 251) (50, 206) (52, 202) (53, 139) (54, 107) (55, 196) (56, 68) (57, 253) (59, 200) (60, 115) (61, 261) (62, 228) (63, 215) (64, 242) (65, 74) (66, 102) (67, 239) (69, 214) (70, 246) (71, 209) (72, 109) (73, 275) (75, 271) (76, 89) (77, 273) (78, 133) (79, 255) (81, 129) (82, 250) (83, 225) (85, 119) (86, 93) (88, 132) (90, 254) (92, 122) (95, 176) (100, 143) (101, 198) (103, 269) (105, 241) (106, 210) (108, 138) (110, 114) (111, 247) (112, 212) (113, 216) (116, 276) (117, 218) (118, 232) (120, 262) (121, 193) (123, 224) (124, 235) (125, 227) (126, 213) (127, 257) (128, 231) (134, 236) (136, 249) (141, 144) (153, 168) (154, 190) (155, 191) (156, 165) (158, 159) (163, 166) ([...]) , (1, 31, 132, 2, 102, 199, 149) (3, 94, 75, 158, 203, 236, 218) (4, 228, 90, 64, 154, 244, 71) (5, 205, 168, 128, 116, 119, 237) (6, 211, 247, 19, 275, 177, 155) (7, 265, 38, 118, 35, 93, 95) (8, 68, 208, 44, 166, 109, 77) (9, 185, 148, 104, 167, 130, 264) (10, 21, 145, 162, 146, 131, 15) (11, 180, 156, 240, 80, 194, 157) (12, 65, 214, 92, 49, 13, 135) (14, 108, 78, 63, 219, 270, 141) (16, 227, 222, 79, 26, 183, 200) (17, 196, 126, 89, 107, 136, 100) (18, 232, 243, 86, 176, 221, 252) (20, 151, 36, 88, 173, 66, 229) (22, 56, 268, 87, 163, 72, 273) (23, 220, 239, 42, 82, 24, 106) (25, 165, 259, 45, 238, 30, 152) (27, 182, 226, 91, 99, 248, 96) (28, 73, 192, 191, 223, 267, 111) (29, 55, 213, 76, 54, 249, 143) (32, 256, 58, 48, 150, 175, 171) (33, 234, 170, 212, 120, 40, 127) (34, 263, 206, 61, 139, 115, 169) (37, 138, 133, 215, 258, 195, 144) (41, 50, 261, 53, 60, 164, 178) (43, 140, 245, 51, 174, 84, 161) (46, 147, 74, 69, 122, 251, 187) ([...]) , (1, 36, 132, 173, 102, 229, 149, 151, 31, 88, 2, 66, 199, 20) (3, 47, 75, 159, 203, 134, 218, 142, 94, 271, 158, 260, 236, 117) (4, 62, 90, 242, 154, 204, 71, 181, 228, 254, 64, 190, 244, 209) (5, 207, 168, 231, 116, 85, 237, 98, 205, 153, 128, 276, 119, 230) (6, 267, 247, 28, 275, 192, 155, 223, 211, 111, 19, 73, 177, 191) (7, 252, 38, 232, 35, 86, 95, 221, 265, 18, 118, 243, 93, 176) (8, 56, 208, 87, 166, 72, 77, 22, 68, 268, 44, 163, 109, 273) (9, 185, 148, 104, 167, 130, 264) (10, 21, 145, 162, 146, 131, 15) (11, 25, 156, 259, 80, 238, 157, 152, 180, 165, 240, 45, 194, 30) (12, 74, 214, 122, 49, 187, 135, 147, 65, 69, 92, 251, 13, 46) (14, 138, 78, 215, 219, 195, 141, 37, 108, 133, 63, 258, 270, 144) (16, 125, 222, 255, 26, 179, 200, 97, 227, 186, 79, 188, 183, 59) (17, 55, 126, 76, 107, 249, 100, 29, 196, 213, 89, 54, 136, 143) (23, 197, 239, 274, 82, 189, 106, 184, 220, 67, 42, 250, 24, 210) (27, 182, 226, 91, 99, 248, 96) ([...]) , (1, 72, 189, 12, 23, 250) (2, 6, 90, 251, 20, 64) (3, 217, 225, 56, 139, 208) (4, 40, 62, 46, 239, 66) (5, 202, 199, 34, 172, 246) (7, 19, 59, 210, 57, 128) (8, 41, 230, 25, 220, 63) (9, 84, 27, 145, 201, 32) (11, 112, 176, 154, 79, 276) (13, 73, 273, 42, 88, 92) (14, 233, 227, 144, 269, 240) (15, 99, 146) (16, 123, 238, 17, 158, 101) (18, 76, 117, 38, 89, 218) (21, 171, 185, 245, 91, 104) (22, 263, 237, 180, 197, 215) (24,

147, 184, 82, 151, 109) (26, 163, 143, 36, 243, 207) (28, 200, 106, 253, 231, 221) (29, 159, 198, 97, 224, 194)
 (30, 111, 50, 44, 81, 177) (31, 35, 205, 188, 166, 100) (33, 69, 209) (37, 272, 125, 141, 103, 259) (39, 65) (43,
 150, 161, 182, 226, 256) (45, 126, 47, 121, 249, 183) (48, 174) (49, 149, 242, 173, 223, 254) (51, 248, 162,
 140, 264, 167) (52, 229, 178, 170, 70, 98) (53, 268, 142, 234, 83, 68) (54, 191, 115, 262, 78, 127) (55, 267,
 271, 168, 61, 204) (58, 148, 130, 96, 131, 175) (60, 120, 133, 257, 107, 155) ([...]) , (1, 189, 23) (2, 90, 20)
 (3, 225, 139) (4, 62, 239) (5, 199, 172) (6, 251, 64) (7, 59, 57) (8, 230, 220) (9, 27, 201) (11, 176, 79) (12,
 250, 72) (13, 273, 88) (14, 227, 269) (15, 146, 99) (16, 238, 158) (17, 101, 123) (18, 117, 89) (19, 210, 128)
 (21, 185, 91) (22, 237, 197) (24, 184, 151) (25, 63, 41) (26, 143, 243) (28, 106, 231) (29, 198, 224) (30, 50,
 81) (31, 205, 166) (32, 84, 145) (33, 209, 69) (34, 246, 202) (35, 188, 100) (36, 207, 163) (37, 125, 103) (38,
 218, 76) (40, 46, 66) (42, 92, 73) (43, 161, 226) (44, 177, 111) (45, 47, 249) (49, 242, 223) (51, 162, 264) (52,
 178, 70) (53, 142, 83) (54, 115, 78) (55, 271, 61) (56, 208, 217) (58, 130, 131) (60, 133, 107) (67, 181, 228)
 (68, 268, 234) (71, 214, 160) (75, 261, 196) (77, 132, 187) (80, 94, 136) (82, 109, 147) (86, 195, 165) (87,
 192, 247) (93, 270, 156) (95, 255, 152) (96, 175, 148) (97, 194, 159) (98, 229, 170) (102, 137, 135) (104, 171,
 245) (110, 258, 260) (112, 154, 276) (113, 232, 235) ([...]) , (1, 24, 23, 151, 189, 184) (2, 254, 20, 173, 90,
 149) (3, 83, 139, 142, 225, 53) (4, 228, 239, 181, 62, 67) (5, 229, 172, 98, 199, 170) (6, 49, 64, 223, 251, 242)
 (7, 200, 57, 221, 59, 253) (8, 237, 220, 22, 230, 197) (9, 27, 201) (11, 95, 79, 152, 176, 255) (12, 82, 72, 147,
 250, 109) (13, 77, 88, 187, 273, 132) (14, 125, 269, 37, 227, 103) (15, 146, 99) (16, 194, 158, 97, 238, 159)
 (17, 198, 123, 29, 101, 224) (18, 218, 89, 38, 117, 76) (19, 106, 128, 28, 210, 231) (21, 185, 91) (25, 215, 41,
 180, 63, 263) (26, 100, 243, 188, 143, 35) (30, 206, 81, 157, 50, 129) (31, 207, 166, 36, 205, 163) (32, 84, 145)
 (33, 71, 69, 160, 209, 214) (34, 70, 202, 178, 246, 52) (39, 266) (40, 135, 66, 137, 46, 102) (42, 122, 73, 274,
 92, 275) (43, 161, 226) (44, 192, 111, 87, 177, 247) (45, 94, 249, 80, 47, 136) (51, 162, 264) (54, 60, 78, 107,
 115, 133) (55, 75, 61, 196, 271, 261) (56, 268, 217, 68, 208, 234) (58, 130, 131) (65, 74) (85, 119) ([...]) ,
 (1, 147) (2, 49) (3, 68) (4, 135) (5, 178) (6, 149) (7, 106) (8, 180) (9, 145) (11, 190) (12, 151) (13, 274) (14,
 141) (16, 29) (17, 97) (19, 253) (20, 223) (21, 245) (22, 25) (23, 109) (24, 250) (26, 31) (27, 32) (28, 57) (30,
 87) (33, 160) (34, 98) (35, 163) (36, 188) (37, 144) (39, 74) (40, 67) (41, 197) (42, 187) (43, 182) (44, 157)
 (45, 193) (46, 181) (47, 179) (48, 174) (50, 192) (51, 140) (52, 172) (53, 217) (54, 120) (55, 153) (56, 142)
 (58, 96) (59, 231) (60, 127) (61, 211) (62, 102) (63, 237) (64, 254) (65, 266) (66, 228) (69, 214) (70, 199) (71,
 209) (72, 184) (73, 132) (75, 204) (77, 92) (78, 155) (79, 212) (80, 121) (81, 247) (82, 189) (83, 208) (84,
 201) (86, 113) (88, 275) (90, 242) (91, 171) (93, 216) (94, 183) (95, 276) (100, 207) (101, 194) (103, 233)
 (104, 185) (105, 108) (107, 262) (110, 252) (111, 129) (112, 255) (114, 265) (115, 257) (116, 176) (118, 270)
 (122, 273) (123, 159) (124, 156) (125, 240) (126, 136) (128, 200) (130, 175) (131, 148) (133, 191) (134, 236)
 ([...]) , (1, 220, 106, 134, 221, 41, 12, 138, 44, 85, 157, 241, 151, 197, 210, 236, 7, 263, 147, 108, 87, 119,
 30, 105) (2, 29, 53, 225, 152, 116, 176, 154, 268, 217, 16, 49, 173, 17, 139, 83, 11, 276, 95, 190, 208, 234, 97,
 251) (3, 170, 206, 94, 45, 266, 143, 156, 57, 274, 136, 103, 142, 172, 50, 47, 80, 39, 100, 165, 253, 42, 249,
 269) (4, 133, 198, 31, 26, 238, 191, 135, 262, 35, 166, 54, 181, 78, 101, 36, 188, 194, 155, 46, 120, 243, 163,
 107) (5, 63, 259, 6, 219, 164, 20, 125, 230, 34, 72, 184, 98, 215, 240, 223, 258, 169, 149, 227, 237, 178, 109,
 23) (8, 62, 24, 203, 229, 14, 144, 70, 222, 82, 66, 25, 22, 228, 189, 260, 199, 37, 141, 246, 186, 250, 102, 180)
 (9, 21, 130, 10, 175, 245, 145, 150, 58, 15, 96, 226) (13, 28, 124, 205, 65, 193, 183, 177, 202, 68, 272, 213,
 187, 19, 235, 207, 74, 121, 179, 192, 52, 56, 233, 126) (18, 73, 196, 265, 159, 273, 33, 92, 224, 110, 153, 88,
 38, 275, 55, 252, 158, 77, 160, 122, 123, 114, 168, 132) ([...]) , (1, 210, 221, 147, 44, 30, 151, 106, 7, 12,
 87, 157) (2, 139, 152, 95, 268, 97, 173, 53, 11, 176, 208, 16) (3, 50, 45, 100, 57, 249, 142, 206, 80, 143, 253,
 136) (4, 101, 26, 155, 262, 163, 181, 198, 188, 191, 120, 166) (5, 240, 219, 149, 230, 109, 98, 259, 258, 20,
 237, 72) (6, 169, 125, 178, 184, 63, 223, 164, 227, 34, 23, 215) (8, 189, 229, 141, 222, 102, 22, 24, 199, 144,
 186, 66) (9, 130, 175, 145, 58, 96) (10, 245, 150, 15, 226, 21) (13, 235, 65, 179, 202, 233, 187, 124, 74, 183,
 52, 272) (14, 246, 82, 180, 228, 203, 37, 70, 250, 25, 62, 260) (17, 225, 276, 154, 234, 49, 29, 83, 116, 190,
 217, 251) (18, 55, 159, 160, 224, 168, 38, 196, 158, 33, 123, 153) (19, 205, 121, 177, 56, 213, 28, 207, 193,
 192, 68, 126) (27, 201, 256, 162, 140, 43) (31, 194, 135, 243, 54, 133, 36, 238, 46, 35, 107, 78) (32, 182, 51,

167, 161, 84) (39, 156, 42, 103, 170, 47, 266, 165, 274, 269, 172, 94) (40, 75, 76, 204, 67, 71, 137, 271, 89,
 244, 239, 209) ([...]) , (1, 221, 44, 151, 7, 87) (2, 152, 268, 173, 11, 208) (3, 45, 57, 142, 80, 253) (4, 26,
 262, 181, 188, 120) (5, 219, 230, 98, 258, 237) (6, 125, 184, 223, 227, 23) (8, 229, 222, 22, 199, 186) (9, 175,
 58) (10, 150, 226) (12, 157, 210, 147, 30, 106) (13, 65, 202, 187, 74, 52) (14, 82, 228, 37, 250, 62) (15, 21,
 245) (16, 139, 95, 97, 53, 176) (17, 276, 234, 29, 116, 217) (18, 159, 224, 38, 158, 123) (19, 121, 56, 28, 193,
 68) (20, 72, 240, 149, 109, 259) (24, 144, 66, 189, 141, 102) (25, 260, 246, 180, 203, 70) (27, 256, 140) (31,
 135, 54, 36, 46, 107) (32, 51, 161) (33, 153, 55, 160, 168, 196) (34, 215, 169, 178, 63, 164) (35, 78, 194, 243,
 133, 238) (39, 42, 170, 266, 274, 172) (40, 76, 67, 137, 89, 239) (41, 85, 197, 263, 119, 220) (43, 201, 162)
 (47, 165, 269, 94, 156, 103) (48, 148, 248) (49, 83, 190, 251, 225, 154) (50, 100, 249, 206, 143, 136) (59, 216,
 60, 200, 113, 115) (61, 211, 69, 261, 267, 214) (64, 90, 117, 242, 254, 218) ([...]) , (1, 7, 44) (2, 11, 268)
 (3, 80, 57) (4, 188, 262) (5, 258, 230) (6, 227, 184) (8, 199, 222) (9, 175, 58) (10, 150, 226) (12, 30, 210) (13,
 74, 202) (14, 250, 228) (15, 21, 245) (16, 53, 95) (17, 116, 234) (18, 158, 224) (19, 193, 56) (20, 109, 240)
 (22, 229, 186) (23, 223, 125) (24, 141, 66) (25, 203, 246) (26, 120, 181) (27, 256, 140) (28, 121, 68) (29, 276,
 217) (31, 46, 54) (32, 51, 161) (33, 168, 55) (34, 63, 169) (35, 133, 194) (36, 135, 107) (37, 82, 62) (38, 159,
 123) (39, 274, 170) (40, 89, 67) (41, 119, 197) (42, 172, 266) (43, 201, 162) (45, 253, 142) (47, 156, 269) (48,
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$\chi_{11}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
$\chi_{11}^{(2)}$	7	7	.	.	-1	1	1	-1	-2	.	4	4	3	1	2	-1	.	-3	3	
$\chi_{11}^{(3)}$	8	-8	1	-1	.	2	-2	.	.	.	4	-4	-4	4	
$\chi_{11}^{(4)}$	15	15	1	1	-1	3	3	-1	3	-3	-2	7	-2	1	-1	
$\chi_{11}^{(5)}$	21	21	.	.	.	.	.	-3	.	2	6	6	5	-3	2	5	.	-3	1
$\chi_{11}^{(6)}$	21	21	.	.	.	.	.	-3	2	-2	6	6	1	-1	.	-3	.	3	5
$\chi_{11}^{(7)}$	27	27	-1	-1	.	.	.	3	1	1	9	9	7	1	3	3	-1	5	3	
$\chi_{11}^{(8)}$	35	35	.	.	.	2	2	3	-1	1	5	5	7	5	-1	11	1	1	-1	
$\chi_{11}^{(9)}$	35	35	.	.	.	2	2	3	-1	1	5	5	-5	-1	-3	3	-1	-1	7	
$\chi_{11}^{(10)}$	48	-48	-1	1	.	.	.	.	.	.	12	-12	.	.	.	.	.	.	-8
$\chi_{11}^{(11)}$	56	56	.	.	.	2	2	.	1	-1	11	11	8	4	1	-8	-1	-4	.	
$\chi_{11}^{(12)}$	64	-64	1	-1	.	-2	2	.	.	.	-4	4	.	.	.	.	.	.	.
$\chi_{11}^{(13)}$	64	-64	1	-1	.	-2	2	.	.	.	-4	4	.	.	.	.	.	.	.
$\chi_{11}^{(14)}$	70	70	.	.	1	1	1	-2	-1	3	-5	-5	6	2	-1	-10	-1	2	2	
$\chi_{11}^{(15)}$	84	84	.	.	1	3	3	4	.	-2	-6	-6	4	.	2	20	.	.	4	
$\chi_{11}^{(16)}$	105	105	.	.	1	-3	-3	1	-1	-1	15	15	5	-1	1	1	1	-5	5	
$\chi_{11}^{(17)}$	105	105	.	.	1	3	3	1	.	.	.	.	9	-3	-4	-7	.	-3	-3
$\chi_{11}^{(18)}$	105	105	.	.	-1	3	3	-7	.	.	.	.	-3	3	2	17	2	-1	-3
$\chi_{11}^{(19)}$	112	-112	.	.	.	-2	2	.	.	.	8	-8	.	.	.	.	.	.	-8
$\chi_{11}^{(20)}$	112	-112	.	.	.	4	-4	.	.	.	-4	4	.	.	.	.	.	.	-8
$\chi_{11}^{(21)}$	120	120	1	1	.	.	.	.	-1	-1	15	15	8	-4	1	-8	1	4	.
$\chi_{11}^{(22)}$	120	-120	1	-1	.	6	-6	.	.	.	.	.	.	.	.	.	.	.	4
$\chi_{11}^{(23)}$	168	168	.	.	-1	-3	-3	8	.	2	6	6	8	.	2	8	.	.	.	
$\chi_{11}^{(24)}$	168	-168	.	.	.	.	.	.	.	.	24	-24	.	.	.	.	.	.	-4
$\chi_{11}^{(25)}$	189	189	.	.	.	.	.	-3	1	1	9	9	1	-5	3	21	-1	-1	-3
$\chi_{11}^{(26)}$	189	189	.	.	.	.	.	-3	1	1	9	9	13	1	-3	-3	1	1	-3
$\chi_{11}^{(27)}$	189	189	.	.	.	.	.	-3	1	1	9	9	-11	1	-3	-3	1	1	9
$\chi_{11}^{(28)}$	210	210	.	.	.	.	.	-6	-1	-1	15	15	2	2	-1	2	-1	2	-2
$\chi_{11}^{(29)}$	210	210	.	.	-1	3	3	2	1	1	-15	-15	10	-2	1	-14	1	-2	6	
$\chi_{11}^{(30)}$	216	216	-1	-1	.	.	.	.	-1	-1	-9	-9	8	-4	-3	24	1	4	.
$\chi_{11}^{(31)}$	280	280	.	.	.	-2	-2	.	1	-1	-5	-5	8	4	-3	24	-1	-4	.	
$\chi_{11}^{(32)}$	280	280	.	.	-1	1	1	8	.	-2	10	10	-8	.	-2	-8	.	.	.	
$\chi_{$																				

	30										40									
$\chi_{11}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{11}^{(2)}$	.	.	2	2	-1	-2	-2	.	.	2	2	1	-2	-1	-1	1	1	1	1	-1
$\chi_{11}^{(3)}$	.	.	-2	2	.	-1	1	-1	1	3	-3	.	.	1	-1	1	-1	.	-2	2
$\chi_{11}^{(4)}$	.	.	.	.	1	-3	-3	-1	-1	1	1	1	-2	.	.	.	.	1	-1	-1
$\chi_{11}^{(5)}$	-1	-1	1	1	2	3	3	1	1	-1	-1	1	-2	1	1	.	.	-2	-1	-1
$\chi_{11}^{(6)}$	-1	-1	1	1	.	3	3	-1	-1	3	3	-1	.	1	1	.	.	.	1	1
$\chi_{11}^{(7)}$	.	.	2	2	.	.	.	.	.	.	.	1	3	-1	-1	.	.	.	-1	-1
$\chi_{11}^{(8)}$	.	.	.	.	2	-1	-1	-1	-1	-1	-1	1	3	.	.	-1	-1	.	1	1
$\chi_{11}^{(9)}$	.	.	.	.	.	-1	-1	1	1	3	3	-1	1	.	.	-1	-1	-2	1	1
$\chi_{11}^{(10)}$	.	.	-2	2	.	3	-3	1	-1	3	-3	.	.	-2	2	.	.	.	.	.
$\chi_{11}^{(11)}$	1	1	1	1	-2	2	2	.	.	-2	-2	.	-3	1	1	-1	-1	.	.	.
$\chi_{11}^{(12)}$	A	-A	-1	1	.	-8	8	.	.	.	.	.	.	-1	1	-1	1	.	.	.
$\chi_{11}^{(13)}$	-A	A	-1	1	.	-8	8	.	.	.	.	.	.	-1	1	-1	1	.	.	.
$\chi_{11}^{(14)}$	.	.	.	.	-1	7	7	-1	-1	-1	-1	-2	-1	.	.	1	1	-1	.	2
$\chi_{11}^{(15)}$	-1	-1	-1	-1	-1	3	3	1	1	-1	-1	.	-2	-1	-1	.	.	1	.	4
$\chi_{11}^{(16)}$	.	.	.	.	1	-3	-3	-1	-1	1	1	-1	1	.	.	.	.	1	-1	-1
$\chi_{11}^{(17)}$	.	.	.	.	-1	6	6	.	.	2	2	1	4	.	.	.	.	1	-1	-1
$\chi_{11}^{(18)}$	.	.	.	.	-1	6	6	.	.	2	2	-1	2	.	.	.	.	-1	-1	-1
$\chi_{11}^{(19)}$	.	.	2	-2	.	-5	5	1	-1	3	-3	.	.	2	-2	-1	1	.	.	.
$\chi_{11}^{(20)}$	.	.	2	-2	.	4	-4	-2	2	.	.	.	.	-1	1	-1	1	.	.	.
$\chi_{11}^{(21)}$	.	.	.	.	-2	-6	-6	.	.	-2	-2	.	1	.	.	.	.	-2	.	.
$\chi_{11}^{(22)}$	.	.	.	.	.	3	-3	1	-1	3	-3	.	.	.	.	.	.	.	2	-2
$\chi_{11}^{(23)}$	.	.	-2	-2	-1	6	6	.	.	2	2	.	-2	1	1	.	.	1	.	.
$\chi_{11}^{(24)}$	.	.	-2	2	.	-3	3	-1	1	-3	3	.	.	1	-1	.	.	.	2	-2
$\chi_{11}^{(25)}$	1	1	-1	-1	.	.	.	.	.	.	.	-1	3	-1	-1	.	.	.	1	1
$\chi_{11}^{(26)}$	-1	-1	-1	-1	.	.	.	.	.	.	.	1	-3	-1	-1	.	.	.	1	1
$\chi_{11}^{(27)}$	1	1	-1	-1	.	.	.	.	.	.	.	1	-3	-1	-1	.	.	.	-1	-1
$\chi_{11}^{(28)}$	.	.	.	.	2	3	3	1	1	-1	-1	-2	-1	.	.	.	.	2	.	-2
$\chi_{11}^{(29)}$	.	.	.	.	1	-6	-6	.	.	-2	-2	-2	1	.	.	.	.	1	.	-2
$\chi_{11}^{(30)}$	1	1	1	1	.	.	.	.	.	.	.	.	-3	1	1	.	.	.	.	.
$\chi_{11}^{(31)}$	.	.	.	.	.	-8	-8	.	.	.	.	.	1	.	.	1	1	-2	.	.
$\chi_{11}^{(32)}$	.	.	.	.	1	10	10	.	.	-2	-2	.	2	.	.	1	1	-1	.	.
$\chi_{11}^{(33)}$	.	.	.	.	.	1	-1	1	-1	-3	3	.	.	.	.	-1	1	.	-2	2
$\chi_{11}^{(34)}$	.	.	.	.	.	-9	-9	1	1	3	3	-1	.	.	.	.	.	.	-1	-1
$\chi_{11}^{(35)}$	-1	-1	1	1	-2	-6	-6	.	.	-2	-2	.	2	1	1	.	.	2	.	.
$\chi_{11}^{(36)}$	.	.	-2	-2	.	.	.	.	.	.	.	2	3	1	1	.	.	.	.	-2
$\chi_{11}^{(37)}$	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	1	1
$\chi_{11}^{(38)}$	.	.	.	.	1	-3	-3	-1	-1	1	1	.	-4	.	.	.	.	-1	.	-4
$\chi_{11}^{(39)}$	.	.	-2	2	.	16	-16	.	.	.	.	.	.	1	-1	-1	1	.	.	.
$\chi_{11}^{(40)}$	.	.	2	2	.	8	8	.	.	.	.	.	.	-1	-1	-1	-1	.	.	.
$\chi_{11}^{(41)}$	.	.	2	-2	.	8	-8	.	.	.	.	.	.	-1	1	1	-1	.	.	.
$\chi_{11}^{(42)}$	.	.	.	.	.	-7	7	1	-1	-3	3	.	.	.	.	1	-1	.	.	.
$\chi_{11}^{(43)}$	.	.	.	.	.	-9	9	-1	1	3	-3	.	.	.	.	.	.	.	.	.

where $A = -E(20) - E(20)^9 + E(20)^{13} + E(20)^{17} = -ER(-5) = -i5$.

The generators of $G^{s_{12}}$ are:

(1, 212, 6, 151, 112, 223) (2, 154, 141, 173, 190, 144) (3, 216, 70, 142, 113, 246) (4, 247, 202, 181, 111, 52)
 (5, 276, 89, 98, 116, 76) (7, 197, 68, 221, 220, 56) (8, 114, 127, 22, 110, 257) (9, 58, 264) (10, 171, 175)
 (11, 31, 260, 152, 36, 203) (12, 92, 261, 147, 122, 61) (13, 18, 225, 187, 38, 83) (14, 72, 66, 37, 109, 102)
 (15, 140, 48) (16, 129, 134, 97, 81, 236) (17, 106, 156, 29, 210, 165) (19, 242, 213, 28, 64, 126) (20, 60,
 222, 149, 115, 186) (21, 185, 27) (23, 54, 209, 184, 107, 71) (24, 274, 266, 189, 42, 39) (25, 93, 191, 180,
 86, 155) (26, 163, 33, 188, 166, 160) (30, 67, 143, 157, 239, 100) (32, 131, 226) (34, 178) (35, 235, 215,
 243, 124, 63) (40, 137) (41, 244, 59, 263, 204, 200) (43, 182, 84) (44, 249, 75, 87, 136, 271) (45, 159, 253,
 80, 158, 57) (46, 88, 74, 135, 132, 65) (47, 55, 231, 94, 196, 128) (49, 251) (50, 233, 95, 206, 272, 176) (51,
 150, 201) (53, 164, 103, 139, 169, 269) (62, 228) (69, 199, 254, 214, 229, 90) (73, 108, 265, 275, 138,
 252) (77, 177, 153, 273, 192, 168) (78, 198, 237, 133, 101, 230) (79, 125, 267, 255, 227, 211) (82, 224, 218,
 250, 123, 117) (85, 238, 219, 119, 194, 258) (91, 96, 245) (99, 167, 161) (104, 256, 146) (105, 195, 268, 241,
 270, 208) (118, 259, 207, 232, 240, 205) (120, 193, 170, 262, 121, 172) (130, 148, 248) (179, 183) (217, 234) ,
 (2, 78) (4, 60) (5, 241) (7, 275) (8, 22) (10, 226) (11, 55) (12, 143) (13, 26) (14, 244) (15, 245) (16,
 269) (17, 29) (18, 163) (19, 136) (20, 52) (21, 146) (23, 274) (24, 71) (25, 255) (27, 256) (28, 249) (30,
 122) (31, 231) (32, 171) (33, 225) (34, 62) (35, 214) (36, 128) (37, 204) (38, 166) (39, 107) (40,
 49) (41, 102) (42, 184) (44, 213) (45, 192) (47, 203) (48, 96) (51, 161) (53, 129) (54, 266) (56, 265)
 (57, 273) (59, 72) (61, 67) (63, 254) (64, 75) (66, 263) (68, 252) (69, 243) (73, 221) (76, 268) (77,
 253) (79, 180) (80, 177) (81, 139) (82, 85) (83, 160) (86, 125) (87, 126) (89, 208) (90, 215) (91, 140)
 (92, 157) (93, 227) (94, 260) (97, 103) (98, 105) (99, 150) (100, 147) (101, 190) (104, 185) (106, 210)
 (108, 220) (109, 200) (110, 114) (111, 186) (115, 181) (116, 195) (117, 258) (118, 232) (119, 250) (120, 262)
 (121, 193) (123, 194) (124, 199) (127, 257) (131, 175) (133, 173) (134, 164) (137, 251) (138, 197) (141, 237)
 (144, 230) (149, 202) (152, 196) (153, 158) (154, 198) (155, 267) (156, 165) (159, 168) (167, 201) (169, 236)
 (170, 172) (178, 228) (179, 234) (183, 217) (187, 188) (189, 209) (191, 211) (205, 207) (218, 219) (222, 247)
 (224, 238) (229, 235) (239, 261) (240, 259) (242, 271) (270, 276) , (1, 5, 112, 116, 6, 89) (2, 55, 190, 128,
 141, 94) (3, 170, 113, 120, 70, 121) (4, 25, 111, 86, 202, 191) (7, 258, 220, 119, 68, 238) (8, 134, 110, 16,
 127, 81) (9, 161, 58, 99, 264, 167) (10, 248, 171, 130, 175, 148) (11, 160, 36, 188, 260, 163) (12, 65, 122,
 135, 261, 88) (13, 60, 38, 186, 225, 149) (14, 218, 109, 82, 66, 123) (15, 245, 140, 91, 48, 96) (17, 63, 210,
 243, 156, 235) (18, 222, 83, 20, 187, 115) (19, 255, 64, 125, 213, 211) (21, 43, 185, 182, 27, 84) (22, 236,
 114, 97, 257, 129) (23, 164, 107, 269, 209, 139) (24, 233, 42, 176, 266, 206) (26, 203, 166, 152, 33, 31) (28,
 79, 242, 227, 126, 267) (29, 215, 106, 35, 165, 124) (30, 254, 239, 69, 143, 229) (32, 256, 131, 146, 226,
 104) (34, 251) (37, 117, 72, 250, 102, 224) (39, 50, 189, 272, 274, 95) (40, 179) (41, 59, 204) (44, 237,
 136, 78, 75, 101) (45, 205, 158, 232, 253, 259) (46, 61, 132, 147, 74, 92) (47, 173, 196, 154, 231, 144) (49,
 178) (51, 201, 150) (52, 155, 181, 180, 247, 93) (53, 184, 169, 54, 103, 71) (56, 194, 221, 219, 197, 85) (57,
 240, 80, 207, 159, 118) (67, 214, 100, 199, 157, 90) (73, 252, 138, 275, 265, 108) (76, 151, 98, 212, 276,
 223) (77, 270, 192, 268, 153, 105) (87, 230, 249, 133, 271, 198) (137, 183) (142, 172, 216, 262, 246, 193)
 (145, 162) (168, 241, 273, 195, 177, 208) (200, 244, 263) (217, 234) , (1, 8, 223, 257, 112, 110, 151, 22, 6,
 127, 212, 114) (2, 82, 144, 117, 190, 123, 173, 250, 141, 218, 154, 224) (3, 120, 246, 172, 113, 121, 142, 262,
 70, 170, 216, 193) (4, 186, 52, 115, 111, 149, 181, 222, 202, 60, 247, 20) (5, 124, 76, 243, 116, 215, 98, 235,
 89, 35, 276, 63) (7, 191, 56, 93, 220, 25, 221, 155, 68, 86, 197, 180) (9, 84, 264, 182, 58, 43) (10, 99, 175,
 161, 171, 167) (11, 126, 203, 64, 36, 28, 152, 213, 260, 242, 31, 19) (12, 81, 61, 97, 122, 134, 147, 129, 261,
 16, 92, 236) (13, 102, 83, 109, 38, 37, 187, 66, 225, 72, 18, 14) (15, 140, 48) (17, 95, 165, 233, 210, 50, 29,
 176, 156, 272, 106, 206) (21, 185, 27) (23, 177, 71, 77, 107, 168, 184, 192, 209, 273, 54, 153) (24, 57, 39,
 158, 42, 80, 189, 253, 266, 159, 274, 45) (26, 263, 160, 59, 166, 244, 188, 41, 33, 200, 163, 204) (30, 169,
 100, 139, 239, 103, 157, 164, 143, 53, 67, 269) (32, 201, 226, 150, 131, 51) (34, 40, 178, 137) (44, 47, 271,
 128, 136, 196, 87, 94, 75, 231, 249, 55) (46, 232, 65, 207, 132, 259, 135, 118, 74, 205, 88, 240) (49, 62, 251,
 228) (69, 270, 90, 241, 229, 268, 214, 195, 254, 105, 199, 208) (73, 211, 252, 227, 138, 255, 275, 267, 265,

125, 108, 79) (78, 119, 230, 219, 101, 238, 133, 85, 237, 258, 198, 194) (91, 96, 245) (104, 256, 146) (130, 148, 248) (162, 174) (179, 217, 183, 234).

The representatives of conjugacy classes of $G^{s_{12}}$ are:

() , (2, 78) (4, 60) (5, 241) (7, 275) (8, 22) (10, 226) (11, 55) (12, 143) (13, 26) (14, 244) (15, 245) (16, 269) (17, 29) (18, 163) (19, 136) (20, 52) (21, 146) (23, 274) (24, 71) (25, 255) (27, 256) (28, 249) (30, 122) (31, 231) (32, 171) (33, 225) (34, 62) (35, 214) (36, 128) (37, 204) (38, 166) (39, 107) (40, 49) (41, 102) (42, 184) (44, 213) (45, 192) (47, 203) (48, 96) (51, 161) (53, 129) (54, 266) (56, 265) (57, 273) (59, 72) (61, 67) (63, 254) (64, 75) (66, 263) (68, 252) (69, 243) (73, 221) (76, 268) (77, 253) (79, 180) (80, 177) (81, 139) (82, 85) (83, 160) (86, 125) (87, 126) (89, 208) (90, 215) (91, 140) (92, 157) (93, 227) (94, 260) (97, 103) (98, 105) (99, 150) (100, 147) (101, 190) (104, 185) (106, 210) (108, 220) (109, 200) (110, 114) (111, 186) (115, 181) (116, 195) (117, 258) (118, 232) (119, 250) (120, 262) (121, 193) (123, 194) (124, 199) (127, 257) (131, 175) (133, 173) (134, 164) (137, 251) (138, 197) (141, 237) (144, 230) (149, 202) (152, 196) (153, 158) (154, 198) (155, 267) ([...]) , (1, 5, 112, 116, 6, 89) (2, 55, 190, 128, 141, 94) (3, 170, 113, 120, 70, 121) (4, 25, 111, 86, 202, 191) (7, 258, 220, 119, 68, 238) (8, 134, 110, 16, 127, 81) (9, 161, 58, 99, 264, 167) (10, 248, 171, 130, 175, 148) (11, 160, 36, 188, 260, 163) (12, 65, 122, 135, 261, 88) (13, 60, 38, 186, 225, 149) (14, 218, 109, 82, 66, 123) (15, 245, 140, 91, 48, 96) (17, 63, 210, 243, 156, 235) (18, 222, 83, 20, 187, 115) (19, 255, 64, 125, 213, 211) (21, 43, 185, 182, 27, 84) (22, 236, 114, 97, 257, 129) (23, 164, 107, 269, 209, 139) (24, 233, 42, 176, 266, 206) (26, 203, 166, 152, 33, 31) (28, 79, 242, 227, 126, 267) (29, 215, 106, 35, 165, 124) (30, 254, 239, 69, 143, 229) (32, 256, 131, 146, 226, 104) (34, 251) (37, 117, 72, 250, 102, 224) (39, 50, 189, 272, 274, 95) (40, 179) (41, 59, 204) (44, 237, 136, 78, 75, 101) (45, 205, 158, 232, 253, 259) (46, 61, 132, 147, 74, 92) (47, 173, 196, 154, 231, 144) (49, 178) (51, 201, 150) (52, 155, 181, 180, 247, 93) ([...]) , (1, 5, 273, 240, 45, 268, 151, 98, 77, 259, 80, 208) (2, 75, 125, 202, 13, 203, 173, 271, 227, 52, 187, 260) (3, 170, 216, 262, 70, 121, 142, 172, 113, 120, 246, 193) (4, 38, 152, 154, 87, 267, 181, 18, 11, 190, 44, 211) (6, 89, 168, 118, 253, 270, 223, 76, 153, 232, 57, 195) (7, 265, 194, 14, 263, 123, 221, 252, 238, 37, 41, 224) (8, 236, 54, 206, 24, 53, 22, 134, 107, 50, 189, 139) (9, 161, 201) (10, 104, 182, 27, 131, 148) (12, 229, 17, 215, 67, 132, 147, 199, 29, 63, 239, 88) (15, 140, 48) (16, 209, 272, 274, 164, 110, 97, 71, 233, 42, 169, 114) (19, 78, 55, 160, 20, 155, 28, 133, 196, 33, 149, 191) (21, 226, 248, 171, 256, 84) (23, 95, 39, 269, 127, 129, 184, 176, 266, 103, 257, 81) (25, 64, 101, 128, 188, 115, 180, 242, 198, 231, 26, 60) (30, 135, 261, 69, 156, 124, 157, 46, 61, 214, 165, 235) (31, 144, 249, 79, 247, 83, 36, 141, 136, 255, 111, 225) (32, 130, 175, 146, 43, 185) (34, 62, 251, 183, 234, 40, 178, 228, 49, 179, 217, 137) ([...]) , (1, 6, 112) (2, 141, 190) (3, 70, 113) (4, 202, 111) (5, 89, 116) (7, 68, 220) (8, 127, 110) (9, 264, 58) (10, 175, 171) (11, 260, 36) (12, 261, 122) (13, 225, 38) (14, 66, 109) (15, 48, 140) (16, 134, 81) (17, 156, 210) (18, 187, 83) (19, 213, 64) (20, 222, 115) (21, 27, 185) (22, 257, 114) (23, 209, 107) (24, 266, 42) (25, 191, 86) (26, 33, 166) (28, 126, 242) (29, 165, 106) (30, 143, 239) (31, 152, 203) (32, 226, 131) (35, 215, 124) (37, 102, 72) (39, 274, 189) (41, 59, 204) (43, 84, 182) (44, 75, 136) (45, 253, 158) (46, 74, 132) (47, 231, 196) (50, 95, 272) (51, 201, 150) (52, 247, 181) (53, 103, 169) (54, 184, 71) (55, 94, 128) (56, 197, 221) (57, 159, 80) (60, 149, 186) (61, 92, 147) (63, 235, 243) (65, 88, 135) (67, 157, 100) (69, 254, 229) (73, 265, 138) (76, 276, 98) (77, 153, 192) (78, 237, 101) (79, 267, 227) (82, 218, 123) (85, 219, 194) (87, 271, 249) (90, 199, 214) (91, 245, 96) (93, 180, 155) (97, 236, 129) (99, 161, 167) (104, 146, 256) ([...]) , (1, 6, 112) (2, 237, 190, 78, 141, 101) (3, 70, 113) (4, 149, 111, 60, 202, 186) (5, 208, 116, 241, 89, 195) (7, 252, 220, 275, 68, 108) (8, 257, 110, 22, 127, 114) (9, 264, 58) (10, 131, 171, 226, 175, 32) (11, 94, 36, 55, 260, 128) (12, 239, 122, 143, 261, 30) (13, 33, 38, 26, 225, 166) (14, 263, 109, 244, 66, 200) (15, 96, 140, 245, 48, 91) (16, 164, 81, 269, 134, 139) (17, 165, 210, 29, 156, 106) (18, 188, 83, 163, 187, 160) (19, 44, 64, 136, 213, 75) (20, 247, 115, 52, 222, 181) (21, 256, 185, 146, 27, 104) (23, 189, 107, 274, 209, 39) (24, 54, 42, 71, 266, 184) (25, 211, 86, 255, 191, 125) (28, 87, 242, 249, 126, 271) (31, 196, 203, 231, 152, 47) (34, 62) (35, 90, 124, 214, 215, 199) (37, 41, 72, 204, 102, 59) (40, 49) (43, 84, 182) (45, 77, 158, 192, 253, 153) (46, 74, 132) (50, 95, 272) (51, 167, 150, 161, 201, 99) (53, 97, 169, 129, 103, 236) (56, 138, 221, 265, 197, 73) (57, 168, 80, 273, 159, 177) (61, 157, 147, 67, 92, 100) ([...]) , (1, 8, 223, 257, 112, 110, 151, 22, 6, 127, 212,

114) (2, 82, 144, 117, 190, 123, 173, 250, 141, 218, 154, 224) (3, 120, 246, 172, 113, 121, 142, 262, 70, 170, 216, 193) (4, 186, 52, 115, 111, 149, 181, 222, 202, 60, 247, 20) (5, 124, 76, 243, 116, 215, 98, 235, 89, 35, 276, 63) (7, 191, 56, 93, 220, 25, 221, 155, 68, 86, 197, 180) (9, 84, 264, 182, 58, 43) (10, 99, 175, 161, 171, 167) (11, 126, 203, 64, 36, 28, 152, 213, 260, 242, 31, 19) (12, 81, 61, 97, 122, 134, 147, 129, 261, 16, 92, 236) (13, 102, 83, 109, 38, 37, 187, 66, 225, 72, 18, 14) (15, 140, 48) (17, 95, 165, 233, 210, 50, 29, 176, 156, 272, 106, 206) (21, 185, 27) (23, 177, 71, 77, 107, 168, 184, 192, 209, 273, 54, 153) (24, 57, 39, 158, 42, 80, 189, 253, 266, 159, 274, 45) (26, 263, 160, 59, 166, 244, 188, 41, 33, 200, 163, 204) (30, 169, 100, 139, 239, 103, 157, 164, 143, 53, 67, 269) (32, 201, 226, 150, 131, 51) (34, 40, 178, 137) (44, 47, 271, 128, 136, 196, 87, 94, 75, 231, 249, 55) ([...]) , (1, 8, 6, 127, 112, 110) (2, 119, 141, 258, 190, 238) (3, 120, 70, 170, 113, 121) (4, 247, 202, 181, 111, 52) (5, 229, 89, 69, 116, 254) (7, 267, 68, 227, 220, 79) (9, 84, 264, 182, 58, 43) (10, 150, 175, 51, 171, 201) (11, 44, 260, 75, 36, 136) (12, 53, 261, 103, 122, 169) (13, 263, 225, 200, 38, 244) (14, 188, 66, 160, 109, 163) (15, 91, 48, 245, 140, 96) (16, 30, 134, 143, 81, 239) (17, 176, 156, 233, 210, 206) (18, 204, 187, 41, 83, 59) (19, 196, 213, 47, 64, 231) (20, 115, 222) (21, 104, 27, 146, 185, 256) (22, 223, 257, 212, 114, 151) (23, 45, 209, 253, 107, 158) (24, 77, 266, 153, 42, 192) (25, 275, 191, 252, 86, 108) (26, 102, 33, 72, 166, 37) (28, 55, 126, 94, 242, 128) (29, 95, 165, 272, 106, 50) (31, 249, 152, 87, 203, 271) (32, 167, 226, 99, 131, 161) (34, 251) (35, 195, 215, 241, 124, 208) (39, 168, 274, 177, 189, 273) (40, 62) (46, 232, 74, 205, 132, 259) (49, 178) (54, 159, 184, 80, 71, 57) (56, 125, 197, 255, 221, 211) ([...]) , (1, 12, 177, 210, 253, 157, 151, 147, 192, 106, 57, 30) (2, 93, 211, 133, 225, 26, 173, 86, 267, 78, 83, 188) (3, 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159, 169) (67, 257, 276) (71, 240, 261) (72, 152, 230) (73, 181, 86) (74, 158, 164) (75, 188, 123) (79, 258, 128) (82, 136, 160) (83, 204, 115) (84, 167, 104) (87, 166, 117) (90, 212, 97) (91, 96, 245) (92, 107, 232) (94, 227, 119) ([...]) , (1, 151) (2, 173) (3, 142) (4, 181) (5, 98) (6, 223) (7, 221) (8, 22) (11, 152) (12, 147) (13, 187) (14, 37) (16, 97) (17, 29) (18, 38) (19, 28) (20, 149) (23, 184) (24, 189) (25, 180) (26, 188) (30, 157) (31, 36) (33, 160) (34, 178) (35, 243) (39, 266) (40, 137) (41, 263) (42, 274) (44, 87) (45, 80) (46, 135) (47, 94) (49, 251) (50, 206) (52, 202) (53, 139) (54, 107) (55, 196) (56, 68) (57, 253) (59, 200) (60, 115) (61, 261) (62, 228) (63, 215) (64, 242) (65, 74) (66, 102) (67, 239) (69, 214) (70, 246) (71, 209) (72, 109) (73, 275) (75, 271) (76, 89) (77, 273) (78, 133) (79, 255) (81, 129) (82, 250) (83, 225) (85, 119) (86, 93) (88, 132) (90, 254) (92, 122) (95, 176) (100, 143) (101, 198) (103, 269) (105, 241) (106, 210) (108, 138) (110, 114) (111, 247) (112, 212) (113, 216) (116, 276) (117, 218) (118, 232) (120, 262) (121, 193) (123, 224) (124, 235) (125, 227) (126, 213) (127, 257) (128, 231) (134, 236) (136, 249) (141, 144) (153, 168) (154, 190) (155, 191) (156, 165) (158, 159) (163, 166) ([...]) , (1, 153, 158) (2, 79, 38) (4, 260, 249) (5, 232, 105) (6, 192, 45) (7, 119, 244) (8, 23, 42) (9, 150, 99) (10, 43, 226) (11, 271, 111) (12, 165, 100) (13, 141, 267) (14, 250, 275) (15, 140, 48) (16, 206, 269) (17, 30, 92) (18, 173, 255) (19, 47, 115) (20, 213, 231) (21, 148, 146) (22, 184, 274) (24, 127, 209) (25, 133, 163) (26, 155, 237) (27, 130, 256) (28, 94, 60) (29, 157, 122) (31, 44, 52) (32, 171, 182) (33, 93, 101) (34, 49, 234) (35, 88, 214) (36, 87, 202) (37, 82, 73) (39, 114, 54) (40, 62, 179) (41, 56, 219) (46, 254, 63) (50, 103, 97) (51, 161, 264) (53, 129, 272) (55, 186, 242) (57, 212, 273) (58, 201, 167) (59, 197, 194) (61, 210, 239) (64, 196, 222) (65, 199, 124) (66, 117, 252) (67, 261, 106) (68, 258, 263) (69, 243, 132) (71, 189, 257) (72, 123, 138) (74, 229, 235) (75, 247, 152) (76, 207, 208) (77, 253, 112) (78, 166, 180) (80, 223, 177) (81, 233, 139) (83, 154, 125) (84, 131, 175) (85, 204, 221) (86, 198, 160) (89, 205, 268) (90, 215, 135) ([...]) , (1, 159, 153, 151, 158, 168) (2, 18, 79, 173, 38, 255) (3, 142) (4, 136, 260, 181, 249, 203) (5, 241, 232, 98, 105, 118) (6, 80, 192, 223, 45, 177) (7, 204, 119, 221, 244, 85) (8, 274, 23, 22, 42, 184) (9, 99, 150) (10, 226, 43) (11, 247, 271, 152, 111, 75) (12, 143, 165, 147, 100, 156) (13, 211, 141, 187, 267, 144) (14, 73, 250, 37, 275, 82) (15, 48, 140) (16, 103, 206, 97, 269, 50) (17, 122, 30, 29, 92, 157) (19, 60, 47, 28, 115, 94) (20, 128, 213, 149, 231, 126) (21, 146, 148) (24, 71, 127, 189, 209, 257) (25, 166, 133, 180, 163, 78) (26, 230, 155, 188, 237, 191) (27, 256, 130) (31, 202, 44, 36, 52, 87) (32, 182, 171) (33, 198, 93, 160, 101, 86) (34, 217, 49, 178, 234, 251) (35, 69, 88, 243, 214, 132) (39, 107, 114, 266, 54, 110) (40, 183, 62, 137, 179, 228) (41, 258, 56, 263, 219, 68) (46, 215, 254, 135, 63, 90) (51, 264, 161) (53, 233, 129, 139, 272, 81) (55, 64, 186, 196, 242, 222) (57, 77, 212, 253, 273, 112) (58, 167, 201) ([...]) , (1, 189, 168, 127, 158, 71, 151, 24, 153, 257, 159, 209) (2, 66, 255, 218, 38, 252, 173, 102, 79, 117, 18, 265) (3, 172, 142, 170) (4, 47, 203, 60, 249, 19, 181, 94, 260, 115, 136, 28) (5, 69, 118, 35, 105, 132, 98, 214, 232, 243, 241, 88) (6, 39, 177, 110, 45, 54, 223, 266, 192, 114, 80, 107) (7, 33, 85, 86, 244, 101, 221, 160, 119, 93, 204, 198) (8, 253, 184, 212, 42, 77, 22, 57, 23, 112, 274, 273) (9, 171, 150, 182, 99, 32) (10, 51, 43, 161, 226, 264) (11, 222, 75, 242, 111, 196, 152, 186, 271, 64, 247, 55) (12, 103, 156, 16, 100, 50, 147, 269, 165, 97, 143, 206) (13, 108, 144, 72, 267, 224, 187, 138, 141, 109, 211, 123) (14, 125, 82, 225, 275, 154, 37, 227, 250, 83, 73, 190) (15, 48, 140) (17, 81, 157, 272, 92, 139, 29, 129, 30, 233, 122, 53) (20, 44, 126, 202, 231, 31, 149, 87, 213, 52, 128, 36) (21, 146, 148) (25, 263, 78, 56, 163, 258, 180, 41, 133, 68, 166, 219) (26, 194, 191, 200, 237, 197, 188, 238, 155, 59, 230, 220) ([...]) , (1, 212, 6, 151, 112, 223) (2, 154, 141, 173, 190, 144) (3, 216, 70, 142, 113, 246) (4, 247, 202, 181, 111, 52) (5, 276, 89, 98, 116, 76) (7, 197, 68, 221, 220, 56) (8, 114, 127, 22, 110, 257) (9, 58, 264) (10, 171, 175) (11, 31, 260, 152, 36, 203) (12, 92, 261, 147, 122, 61) (13, 18, 225, 187, 38, 83) (14, 72, 66, 37, 109, 102) (15, 140, 48) (16, 129, 134, 97, 81, 236) (17, 106, 156, 29, 210, 165) (19, 242, 213, 28, 64, 126) (20, 60, 222, 149, 115, 186) (21, 185, 27) (23, 54, 209, 184, 107, 71) (24, 274, 266, 189, 42, 39) (25, 93, 191, 180, 86, 155) (26, 163, 33, 188, 166, 160) (30, 67, 143, 157, 239, 100) (32, 131, 226) (34, 178) (35, 235, 215, 243, 124, 63) (40, 137) (41, 244, 59, 263, 204, 200) (43, 182, 84) (44, 249, 75, 87, 136, 271) (45, 159, 253, 80, 158, 57) (46, 88, 74, 135, 132, 65) (47, 55, 231, 94, 196, 128) (49, 251) (50, 233, 95, 206, 272, 176) (51, 150, 201) (53, 164, 103, 139, 169, 269) (62, 228) (69, 199, 254, 214, 229, 90) ([...]) , (1, 223, 112, 151, 6, 212) (2, 144, 190, 173, 141, 154) (3, 246, 113, 142, 70, 216) (4, 52, 111, 181, 202, 247) (5, 76, 116, 98, 89, 276) (7, 56, 220, 221, 68,

197) (8, 257, 110, 22, 127, 114) (9, 264, 58) (10, 175, 171) (11, 203, 36, 152, 260, 31) (12, 61, 122, 147, 261, 92) (13, 83, 38, 187, 225, 18) (14, 102, 109, 37, 66, 72) (15, 48, 140) (16, 236, 81, 97, 134, 129) (17, 165, 210, 29, 156, 106) (19, 126, 64, 28, 213, 242) (20, 186, 115, 149, 222, 60) (21, 27, 185) (23, 71, 107, 184, 209, 54) (24, 39, 42, 189, 266, 274) (25, 155, 86, 180, 191, 93) (26, 160, 166, 188, 33, 163) (30, 100, 239, 157, 143, 67) (32, 226, 131) (34, 178) (35, 63, 124, 243, 215, 235) (40, 137) (41, 200, 204, 263, 59, 244) (43, 84, 182) (44, 271, 136, 87, 75, 249) (45, 57, 158, 80, 253, 159) (46, 65, 132, 135, 74, 88) (47, 128, 196, 94, 231, 55) (49, 251) (50, 176, 272, 206, 95, 233) (51, 201, 150) (53, 269, 169, 139, 103, 164) (62, 228) (69, 90, 229, 214, 254, 199) ([...]).

The character table of $G^{s_{12}}$:

	10																		20	
$\chi_{12}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
$\chi_{12}^{(2)}$	1	-1	-1	1	1	-1	1	-1	1	1	-1	1	-1	1	1	-1	1	1	-1	
$\chi_{12}^{(3)}$	1	-1	1	-1	1	-1	-1	1	-1	1	-1	-1	1	-1	-1	1	-1	1	-1	
$\chi_{12}^{(4)}$	1	1	-1	-1	1	1	-1	-1	-1	1	1	-1	-1	-1	1	1	-1	1	1	
$\chi_{12}^{(5)}$	1	-1	A	-A	-A	A	-/A	/A	-/A	-/A	/A	-A	-1	1	-A	A	-A	-/A	-A	/A
$\chi_{12}^{(6)}$	1	-1	/A	-/A	-/A	/A	-A	A	-A	-A	A	-/A	-1	1	-/A	/A	-/A	-A	-/A	A
$\chi_{12}^{(7)}$	1	-1	-/A	/A	-/A	/A	A	-A	A	-A	A	/A	1	-1	/A	/A	-/A	A	-/A	A
$\chi_{12}^{(8)}$	1	-1	-A	A	-A	A	/A	-/A	/A	-/A	/A	A	1	-1	A	A	-A	/A	-A	/A
$\chi_{12}^{(9)}$	1	1	A	A	-A	-A	/A	/A	/A	-/A	-/A	A	-1	-1	A	-A	-A	/A	-A	-/A
$\chi_{12}^{(10)}$	1	1	/A	/A	-/A	-/A	A	A	A	-A	-A	/A	-1	-1	/A	-/A	-/A	A	-/A	-A
$\chi_{12}^{(11)}$	1	1	-/A	-/A	-/A	-/A	-A	-A	-A	-A	-A	-/A	1	1	-/A	-/A	-/A	-A	-/A	-A
$\chi_{12}^{(12)}$	1	1	-A	-A	-A	-A	-/A	-/A	-/A	-/A	-/A	-A	1	1	-A	-A	-A	-/A	-A	-/A
$\chi_{12}^{(13)}$	2	.	.	-1	2	.	2	.	-1	-1	.	2	.	-1	-1	.	-1	-1	-1	.
$\chi_{12}^{(14)}$	2	.	.	1	2	.	-2	.	1	-1	.	-2	.	1	1	.	-1	1	-1	.
$\chi_{12}^{(15)}$	2	.	.	.	2	.	.	.	.	2	.	.	.	.	.	.	-2	.	2	.
$\chi_{12}^{(16)}$	2	-2	.	.	2	-2	.	.	.	-1	1	.	.	.	.	1	-1	.	2	1
$\chi_{12}^{(17)}$	2	2	.	.	2	2	.	.	.	-1	-1	.	.	.	.	-1	-1	.	2	-1
$\chi_{12}^{(18)}$	2	.	.	A	D	.	/D	.	/A	/A	.	D	.	-1	A	.	A	/A	A	.
$\chi_{12}^{(19)}$	2	.	.	/A	/D	.	D	.	A	A	.	/D	.	-1	/A	.	/A	A	/A	.
$\chi_{12}^{(20)}$	2	.	.	-/A	/D	.	-D	.	-A	A	.	-/D	.	1	-/A	.	/A	-A	/A	.
$\chi_{12}^{(21)}$	2	.	.	-A	D	.	-/D	.	-/A	/A	.	-D	.	1	-A	.	A	-/A	A	.
$\chi_{12}^{(22)}$	2	.	.	.	/D	.	.	.	.	D	.	.	.	.	.	.	-/D	.	/D	.
$\chi_{12}^{(23)}$	2	.	.	.	D	.	.	.	.	/D	.	.	.	.	.	.	-D	.	D	.
$\chi_{12}^{(24)}$	2	-2	.	.	/D	-/D	.	.	.	A	-A	.	.	.	.	-/A	/A	.	/D	-A
$\chi_{12}^{(25)}$	2	-2	.	.	D	-D	.	.	.	/A	-/A	.	.	.	.	-A	A	.	D	-/A
$\chi_{12}^{(26)}$	2	.	.	.	2	.	.	.	.	-1	F	.	.	.	.	F	1	.	2	-F
$\chi_{12}^{(27)}$	2	.	.	.	2	.	.	.	.	-1	-F	.	.	.	.	-F	1	.	2	F
$\chi_{12}^{(28)}$	2	.	.	.	/D	.	.	.	.	A	G	.	.	.	.	-/G	-/A	.	/D	-G
$\chi_{12}^{(29)}$	2	.	.	.	D	.	.	.	.	/A	/G	.	.	.	.	-G	-A	.	D	-/G
$\chi_{12}^{(30)}$	2	.	.	.	/D	.	.	.	.	A	-G	.	.	.	.	/G	-/A	.	/D	G
$\chi_{12}^{(31)}$	2	.	.	.	D	.	.	.	.	/A	-/G	.	.	.	.	G	-A	.	D	/G
$\chi_{12}^{(32)}$	2	.	.	B	/D	.	.	.	-/B	A	.	.	.	-C	-B	.	-/A	/B	/A	.
$\chi_{12}^{(33)}$	2	.	.	-/B	D	.	.	.	B	/A	.	.	.	C	/B	.	-A	-B	A	.
$\chi_{12}^{(34)}$	2	.	.	/B	D	.	.	.	-B	/A	.	.	.	-C	-/B	.	-A	B	A	.
$\chi_{12}^{(35)}$	2	.	.	-B	/D	.	.	.	/B	A	.	.	.	C	B	.	-/A	-/B	/A	.
$\chi_{12}^{(36)}$	2	.	.	C	2	.	.	.	-C	-1	.	.	.	C	-C	.	1	C	-1	.
$\chi_{12}^{(37)}$	2	.	.	-C	2	.	.	.	C	-1	.	.	.	-C	C	.	1	-C	-1	.
$\chi_{12}^{(38)}$	2	2	.	.	/D	/D	.	.	.	A	A	.	.	.	.	/A	/A	.	/D	A
$\chi_{12}^{(39)}$	2	2	.	.	D	D	.	.	.	/A	/A	.	.	.	.	A	A	.	D	/A
$\chi_{12}^{(40)}$	4	.	.	.	4	.	.	.	.	1	.	.	.	.	.	.	1	.	-2	.
$\chi_{12}^{(41)}$	4	.	.	.	4	.	.	.	.	1	.	.	.	.	.	.	-1	.	-2	.
$\chi_{12}^{(42)}$	4	.	.	.	E	.	.	.	.	-A	.	.	.	.	.	.	-/A	.	-/D	.
$\chi_{12}^{(43)}$	4	.	.	.	/E	.	.	.	.	-/A	.	.	.	.	.	.	-A	.	-D	.
$\chi_{12}^{(44)}$	4	.	.	.	E	.	.	.	.	-A	.	.	.	.	.	.	/A	.	-/D	.
$\chi_{12}^{(45)}$	4	.	.	.	/E	.	.	.	.	-/A	.	.	.	.	.	.	A	.	-D	.

	30															40				
$\chi_{12}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{12}^{(2)}$	1	1	-1	1	-1	1	-1	1	1	-1	1	1	1	1	1	1	1	1	1	1
$\chi_{12}^{(3)}$	1	1	-1	1	-1	1	-1	1	1	-1	1	1	1	1	-1	1	1	1	1	1
$\chi_{12}^{(4)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-1	1	1	1	1	1
$\chi_{12}^{(5)}$	-/A	-/A	A	-/A	/A	1	-1	-A	1	-1	-/A	-A	-A	-/A	1	-/A	1	-A	1	1
$\chi_{12}^{(6)}$	-A	-A	/A	-A	A	1	-1	-/A	1	-1	-A	-/A	-/A	-A	1	-A	1	-/A	1	1
$\chi_{12}^{(7)}$	-A	-A	/A	-A	A	1	-1	-/A	1	-1	-A	-/A	-/A	-A	-1	-A	1	-/A	1	1
$\chi_{12}^{(8)}$	-/A	-/A	A	-/A	/A	1	-1	-A	1	-1	-/A	-A	-A	-/A	-1	-/A	1	-A	1	1
$\chi_{12}^{(9)}$	-/A	-/A	-A	-/A	-/A	1	1	-A	1	1	-/A	-A	-A	-/A	-1	-/A	1	-A	1	1
$\chi_{12}^{(10)}$	-A	-A	-/A	-A	-A	1	1	-/A	1	1	-A	-/A	-/A	-A	-1	-A	1	-/A	1	1
$\chi_{12}^{(11)}$	-A	-A	-/A	-A	-A	1	1	-/A	1	1	-A	-/A	-/A	-A	1	-A	1	-/A	1	1
$\chi_{12}^{(12)}$	-/A	-/A	-A	-/A	-/A	1	1	-A	1	1	-/A	-A	-A	-/A	1	-/A	1	-A	1	1
$\chi_{12}^{(13)}$	2	2	.	-1	.	2	.	-1	2	.	-1	-1	2	-1	2	2	-1	2	-1	2
$\chi_{12}^{(14)}$	2	2	.	-1	.	2	.	-1	2	.	-1	-1	2	-1	-2	2	-1	2	-1	2
$\chi_{12}^{(15)}$	2	-2	.	-2	.	-2	.	2	2	.	2	-2	-2	-2	.	2	-2	2	2	-2
$\chi_{12}^{(16)}$	-1	-1	1	2	-2	-1	1	-1	-1	1	2	2	-1	-1	.	2	-1	-1	-1	2
$\chi_{12}^{(17)}$	-1	-1	-1	2	2	-1	-1	-1	-1	-1	2	2	-1	-1	.	2	-1	-1	-1	2
$\chi_{12}^{(18)}$	/D	/D	.	/A	.	2	.	A	2	.	/A	A	D	/A	2	/D	-1	D	-1	2
$\chi_{12}^{(19)}$	D	D	.	A	.	2	.	/A	2	.	A	/A	/D	A	2	D	-1	/D	-1	2
$\chi_{12}^{(20)}$	D	D	.	A	.	2	.	/A	2	.	A	/A	/D	A	-2	D	-1	/D	-1	2
$\chi_{12}^{(21)}$	/D	/D	.	/A	.	2	.	A	2	.	/A	A	D	/A	-2	/D	-1	D	-1	2
$\chi_{12}^{(22)}$	D	-D	.	-D	.	-2	.	/D	2	.	D	-/D	-/D	-D	.	D	-2	/D	2	-2
$\chi_{12}^{(23)}$	/D	-/D	.	-/D	.	-2	.	D	2	.	/D	-D	-D	-/D	.	/D	-2	D	2	-2
$\chi_{12}^{(24)}$	A	A	-/A	D	-D	-1	1	/A	-1	1	D	/D	/A	A	.	D	-1	/A	-1	2
$\chi_{12}^{(25)}$	/A	/A	-A	/D	-/D	-1	1	A	-1	1	/D	D	A	/A	.	/D	-1	A	-1	2
$\chi_{12}^{(26)}$	-1	1	-F	-2	.	1	F	-1	-1	-F	2	-2	1	1	.	2	1	-1	-1	-2
$\chi_{12}^{(27)}$	-1	1	F	-2	.	1	-F	-1	-1	F	2	-2	1	1	.	2	1	-1	-1	-2
$\chi_{12}^{(28)}$	A	-A	/G	-D	.	1	F	/A	-1	-F	D	-/D	-/A	-A	.	D	1	/A	-1	-2
$\chi_{12}^{(29)}$	/A	-/A	G	-/D	.	1	-F	A	-1	F	/D	-D	-A	-/A	.	/D	1	A	-1	-2
$\chi_{12}^{(30)}$	A	-A	-/G	-D	.	1	-F	/A	-1	F	D	-/D	-/A	-A	.	D	1	/A	-1	-2
$\chi_{12}^{(31)}$	/A	-/A	-G	-/D	.	1	F	A	-1	-F	/D	-D	-A	-/A	.	/D	1	A	-1	-2
$\chi_{12}^{(32)}$	D	-D	.	-A	.	-2	.	/A	2	.	A	-/A	-/D	-A	.	D	1	/D	-1	-2
$\chi_{12}^{(33)}$	/D	-/D	.	-/A	.	-2	.	A	2	.	/A	-A	-D	-/A	.	/D	1	D	-1	-2
$\chi_{12}^{(34)}$	/D	-/D	.	-/A	.	-2	.	A	2	.	/A	-A	-D	-/A	.	/D	1	D	-1	-2
$\chi_{12}^{(35)}$	D	-D	.	-A	.	-2	.	/A	2	.	A	-/A	-/D	-A	.	D	1	/D	-1	-2
$\chi_{12}^{(36)}$	2	-2	.	1	.	-2	.	-1	2	.	-1	1	-2	1	.	2	1	2	-1	-2
$\chi_{12}^{(37)}$	2	-2	.	1	.	-2	.	-1	2	.	-1	1	-2	1	.	2	1	2	-1	-2
$\chi_{12}^{(38)}$	A	A	/A	D	D	-1	-1	/A	-1	-1	D	/D	/A	A	.	D	-1	/A	-1	2
$\chi_{12}^{(39)}$	/A	/A	A	/D	/D	-1	-1	A	-1	-1	/D	D	A	/A	.	/D	-1	A	-1	2
$\chi_{12}^{(40)}$	-2	-2	.	-2	.	-2	.	1	-2	.	-2	-2	-2	1	.	4	1	-2	1	-2
$\chi_{12}^{(41)}$	-2	2	.	2	.	2	.	1	-2	.	-2	2	2	-1	.	4	-1	-2	1	-2
$\chi_{12}^{(42)}$	-D	-D	.	-D	.	-2	.	-/A	-2	.	-D	-/D	-/D	-A	.	/E	1	-/D	1	-2
$\chi_{12}^{(43)}$	-/D	-/D	.	-/D	.	-2	.	-A	-2	.	-/D	-D	-D	-/A	.	E	1	-D	1	-2
$\chi_{12}^{(44)}$	-D	D	.	D	.	2	.	-/A	-2	.	-D	/D	/D	A	.	/E	-1	-/D	1	-2
$\chi_{12}^{(45)}$	-/D	/D	.	/D	.	2	.	-A	-2	.	-/D	D	D	/A	.	E	-1	-D	1	-2

$\chi_{12}^{(1)}$	1	1	1	1
$\chi_{12}^{(2)}$	1	1	1	1
$\chi_{12}^{(3)}$	1	-1	1	1
$\chi_{12}^{(4)}$	1	-1	1	1
$\chi_{12}^{(5)}$	1	1	-/A	-A
$\chi_{12}^{(6)}$	1	1	-A	-/A
$\chi_{12}^{(7)}$	1	-1	-A	-/A
$\chi_{12}^{(8)}$	1	-1	-/A	-A
$\chi_{12}^{(9)}$	1	-1	-/A	-A
$\chi_{12}^{(10)}$	1	-1	-A	-/A
$\chi_{12}^{(11)}$	1	1	-A	-/A
$\chi_{12}^{(12)}$	1	1	-/A	-A
$\chi_{12}^{(13)}$	-1	-1	2	2
$\chi_{12}^{(14)}$	-1	1	2	2
$\chi_{12}^{(15)}$	-2	.	-2	-2
$\chi_{12}^{(16)}$	2	.	2	2
$\chi_{12}^{(17)}$	2	.	2	2
$\chi_{12}^{(18)}$	-1	-1	/D	D
$\chi_{12}^{(19)}$	-1	-1	D	/D
$\chi_{12}^{(20)}$	-1	1	D	/D
$\chi_{12}^{(21)}$	-1	1	/D	D
$\chi_{12}^{(22)}$	-2	.	-D	-/D
$\chi_{12}^{(23)}$	-2	.	-/D	-D
$\chi_{12}^{(24)}$	2	.	D	/D
$\chi_{12}^{(25)}$	2	.	/D	D
$\chi_{12}^{(26)}$	-2	.	-2	-2
$\chi_{12}^{(27)}$	-2	.	-2	-2
$\chi_{12}^{(28)}$	-2	.	-D	-/D
$\chi_{12}^{(29)}$	-2	.	-/D	-D
$\chi_{12}^{(30)}$	-2	.	-D	-/D
$\chi_{12}^{(31)}$	-2	.	-/D	-D
$\chi_{12}^{(32)}$	1	C	-D	-/D
$\chi_{12}^{(33)}$	1	-C	-/D	-D
$\chi_{12}^{(34)}$	1	C	-/D	-D
$\chi_{12}^{(35)}$	1	-C	-D	-/D
$\chi_{12}^{(36)}$	1	-C	-2	-2
$\chi_{12}^{(37)}$	1	C	-2	-2
$\chi_{12}^{(38)}$	2	.	D	/D
$\chi_{12}^{(39)}$	2	.	/D	D
$\chi_{12}^{(40)}$	-2	.	4	4
$\chi_{12}^{(41)}$	2	.	-4	-4
$\chi_{12}^{(42)}$	-2	.	/E	E
$\chi_{12}^{(43)}$	-2	.	E	/E
$\chi_{12}^{(44)}$	2	.	-/E	-E
$\chi_{12}^{(45)}$	2	.	-E	-/E

where $A = -E(3) = (1 - ER(-3))/2 = -b3$; $B = -2^*E(12)^7 - E(12)^{11}$; $C = -E(12)^7 + E(12)^{11} = ER(3) = r3$; $D = 2^*E(3) = -1 + ER(-3) = 2b3$; $E = 4^*E(3)^2 = -2 - 2^*ER(-3) = -2 - 2i3$; $F = -E(3) + E(3)^2 = -ER(-3) = -i3$; $G = -E(3) - 2^*E(3)^2 = (3 + ER(-3))/2 = 2 + b3$.

The generators of $G^{s_{13}}$ are:

(1, 259) (2, 149) (3, 120) (4, 198) (5, 192) (6, 232) (7, 244) (8, 206) (10, 256) (11, 191) (12, 90) (13, 242) (14, 73) (15, 245) (16, 23) (17, 132) (18, 213) (19, 83) (20, 173) (21, 32) (22, 50) (24, 164) (25, 36) (26, 75) (27, 226) (28, 225) (29, 88) (30, 243) (31, 180) (33, 136) (34, 217) (35, 157) (37, 275) (38, 126) (39, 53) (41, 56) (42, 269) (43, 130) (44, 166) (45, 105) (46, 156) (47, 125) (48, 96) (49, 251) (51, 161) (52, 78) (54, 129) (55, 267) (57, 208) (59, 197) (60, 190) (61, 229) (62, 179) (63, 143) (64, 187) (65, 106) (66, 265) (67, 124) (68, 263) (69, 92) (70, 170) (71, 236) (72, 108) (74, 210) (76, 273) (77, 89) (79, 128) (80, 241) (81, 107) (82, 250) (84, 248) (86, 260) (87, 163) (91, 140) (93, 203) (94, 227) (95, 257) (97, 184) (98, 177) (99, 150) (100, 215) (101, 181) (102, 252) (103, 274) (104, 175) (109, 138) (110, 233) (111, 230) (112, 205) (113, 121) (114, 272) (115, 154) (116, 153) (117, 218) (118, 223) (122, 214) (123, 224) (127, 176) (131, 185) (133, 202) (134, 209) (135, 165) (139, 266) (141, 186) (142, 262) (144, 222) (145, 162) (146, 171) (147, 254) (148, 182) (151, 240) (152, 155) (158, 270) (159, 195) (160, 249) (167, 201) (168, 276) (169, 189) (172, 246) (178, 234) (183, 228) (188, 271) (193, 216) (196, 211) (199, 261) (200, 220) (204, 221) (207, 212) (231, 255) (235, 239) (237, 247) (253, 268) , (3, 44, 223, 201) (4, 95, 193, 237) (5, 48, 7, 15) (6, 56, 49, 59) (8, 78, 206, 52) (9, 58, 40, 238) (10, 42, 199, 11) (12, 69, 209, 227) (13, 73, 208, 53) (14, 57, 39, 242) (16, 45, 195, 21) (17, 46, 217, 205) (18, 66, 211, 229) (19, 54) (20, 47) (22, 76, 212, 239) (23, 105, 159, 32) (24, 152, 31, 38) (25, 154, 104, 162) (26, 111, 89, 151) (27, 108, 169, 147) (28, 179, 139, 148) (29, 116, 121, 163) (30, 177, 150, 160) (34, 112, 132, 156) (35, 157) (36, 115, 175, 145) (37, 144) (41, 251, 197, 232) (43, 241) (50, 273, 207, 235) (51, 65, 276, 224) (55, 64, 184, 231) (60, 268, 183, 236) (61, 213, 265, 196) (62, 266, 182, 225) (63, 234, 67, 233) (68, 220, 188, 100) (70, 218, 272, 202) (71, 190, 253, 228) (72, 189, 254, 226) (74, 210) (75, 230, 77, 240) (79, 146, 109, 107) (80, 130) (81, 128, 171, 138) (82, 172, 142, 101) (83, 129) (84, 158, 141, 103) (85, 119, 174, 137) (87, 88, 153, 113) (90, 92, 134, 94) (91, 165, 140, 135) (93, 131, 122, 102) (96, 244, 245, 192) (97, 255, 267, 187) (98, 99, 249, 243) (106, 168, 123, 161) (110, 143, 178, 124) (114, 133, 170, 117) (118, 167, 120, 166) (125, 173) (126, 164, 155, 180) (127, 176) (181, 250, 246, 262) (185, 214, 252, 203) (186, 274, 248, 270) (191, 256, 269, 261) (194, 258) (198, 257, 216, 247) (200, 271, 215, 263) (204, 221) (219, 264) (222, 275) , (3, 51, 262) (4, 237, 206) (5, 68, 235) (6, 41, 210) (7, 200, 245) (8, 198, 247) (9, 258, 58) (11, 196, 42) (12, 227, 72) (13, 228, 64) (14, 267, 57) (15, 244, 220) (16, 47, 203) (19, 62, 225) (20, 21, 185) (22, 215, 273) (23, 125, 93) (24, 128, 81) (25, 162, 180) (26, 160, 178) (27, 158, 92) (28, 83, 179) (29, 153, 157) (30, 151, 168) (31, 36, 145) (32, 131, 173) (33, 165, 140) (34, 156, 112) (35, 88, 116) (37, 86, 144) (38, 175, 171) (39, 255, 236) (40, 194, 238) (43, 214, 195) (44, 246, 233) (45, 252, 241) (46, 205, 217) (48, 207, 271) (49, 197, 221) (50, 100, 76) (52, 193, 257) (53, 231, 71) (54, 182, 266) (55, 208, 73) (56, 74, 232) (59, 204, 251) (60, 97, 268) (61, 199, 265) (63, 250, 230) (65, 201, 98) (66, 229, 261) (67, 99, 223) (69, 226, 270) (70, 202, 272) (75, 249, 234) (77, 181, 224) (78, 216, 95) (79, 107, 164) (80, 105, 102) (82, 111, 143) (84, 169, 134) (85, 137, 119) (87, 127, 121) (89, 101, 123) (90, 94, 108) (91, 136, 135) (96, 212, 188) (103, 141, 147) (104, 146, 126) (106, 167, 177) (109, 154, 155) (110, 166, 172) (113, 163, 176) (114, 170, 133) (115, 152, 138) (118, 124, 150) (120, 161, 142) (122, 159, 130) (129, 148, 139) (183, 187, 242) (184, 253, 190) (186, 254, 274) (189, 209, 248) (191, 211, 269) (192, 263, 239) (222, 275, 260) (240, 276, 243) , (2, 10) (3, 5) (4, 15) (7, 8) (11, 19) (13, 16) (20, 21) (22, 100) (23, 242) (25, 39) (26, 234) (27, 158) (28, 211) (29, 272) (30, 257) (31, 231) (32, 173) (33, 77) (34, 197) (35, 170) (36, 53) (37, 254) (38, 214) (40, 238) (41, 210) (42, 62) (43, 175) (44, 246) (45, 252) (46, 251) (47, 64) (48, 250) (49, 156) (50, 215) (51, 235) (52, 168) (54, 266) (55, 208) (56, 74) (57, 267) (58, 258) (59, 217) (60, 154) (61, 199) (63, 207) (65, 177) (67, 150) (68, 262) (70, 157) (71, 145) (72, 227) (75, 178) (76, 273) (78, 276) (79, 107) (81, 128) (82, 96) (83, 191) (84, 134) (85, 119) (86, 186) (87, 127) (88, 114) (89, 136) (91, 101) (93, 183) (94,

108) (95, 243) (97, 109) (98, 106) (99, 124) (102, 105) (103, 222) (104, 130) (111, 188) (112, 221) (115, 190) (116, 133) (118, 223) (120, 192) (122, 126) (123, 135) (125, 187) (129, 139) (138, 184) (140, 181) (141, 260) (142, 263) (143, 212) (144, 274) (146, 159) (147, 275) (149, 256) (151, 193) (152, 253) (153, 202) (155, 268) (160, 249) (161, 239) (162, 236) (163, 176) (165, 224) (166, 172) (167, 201) (171, 195) (174, 219) (179, 269) (180, 255) (196, 225) (198, 245) (200, 247) (203, 228) (204, 205) (206, 244) (209, 248) (216, 240) (220, 237) (226, 270) (229, 261) (230, 271) , (2, 12, 11, 248) (4, 249, 65, 257) (5, 165, 233, 230) (6, 232) (7, 151, 78, 99) (8, 67, 77, 250) (9, 119, 238, 264) (10, 226, 54, 227) (13, 32, 73, 267) (14, 55, 242, 21) (15, 68, 246, 237) (16, 255) (17, 34, 221, 251) (18, 141, 269, 260) (19, 72, 266, 274) (20, 146, 253, 236) (22, 224, 271, 100) (23, 231) (24, 130, 64, 122) (25, 252, 60, 53) (26, 91, 76, 262) (27, 129, 94, 256) (28, 222, 66, 158) (29, 117, 133, 157) (30, 178, 243, 234) (31, 93, 241, 159) (33, 118, 276, 51) (35, 88, 218, 202) (36, 102, 190, 39) (37, 182, 189, 199) (38, 104, 138, 97) (40, 85) (41, 210, 46, 197) (42, 86, 213, 186) (43, 187, 214, 164) (44, 181, 177, 200) (45, 131, 115, 79) (47, 125) (48, 207, 216, 201) (49, 132, 217, 204) (50, 123, 188, 215) (52, 150, 244, 240) (56, 74, 156, 59) (57, 145, 155, 228) (58, 137, 258, 174) (61, 254) (62, 69) (63, 235, 143, 239) (70, 170) (71, 173, 171, 268) (75, 140, 273, 142) (80, 195, 180, 203) (81, 107) (82, 206, 124, 89) (83, 108, 139, 103) (84, 149, 90, 191) (87, 176, 114, 116) (92, 179) (95, 198, 160, 106) (96, 212, 193, 167) (98, 220, 166, 101) (105, 185, 154, 128) (109, 184, 126, 175) (110, 111, 192, 135) (127, 272, 153, 163) (134, 211) (136, 223, 168, 161) (144, 265, 270, 225) (147, 229) (148, 169, 261, 275) (152, 183, 208, 162) (172, 247, 245, 263) (194, 219) (196, 209) , (2, 18, 11, 269) (4, 22, 65, 271) (5, 8, 233, 77) (6, 70) (7, 26, 78, 76) (9, 58, 238, 258) (10, 28, 54, 66) (12, 141, 248, 260) (13, 55, 73, 21) (14, 32, 242, 267) (15, 237, 246, 68) (17, 163, 221, 272) (19, 148, 266, 261) (20, 171, 253, 71) (24, 241, 64, 31) (25, 155, 60, 57) (27, 144, 94, 270) (29, 59, 133, 74) (30, 143, 243, 63) (33, 118, 276, 51) (34, 127, 251, 153) (35, 46, 218, 41) (36, 152, 190, 208) (37, 108, 189, 103) (38, 115, 138, 45) (39, 162, 102, 183) (42, 149, 213, 191) (43, 195, 214, 203) (44, 48, 177, 216) (49, 116, 217, 176) (50, 106, 188, 198) (52, 273, 244, 75) (53, 145, 252, 228) (56, 157, 156, 117) (61, 179) (62, 229) (67, 230, 250, 165) (69, 147) (72, 169, 274, 275) (79, 97, 131, 104) (80, 187, 180, 164) (82, 135, 124, 111) (83, 182, 139, 199) (84, 86, 90, 186) (87, 204, 114, 132) (88, 197, 202, 210) (89, 192, 206, 110) (91, 99, 262, 151) (92, 254) (93, 130, 159, 122) (95, 215, 160, 123) (96, 98, 193, 166) (100, 249, 224, 257) (101, 212, 220, 167) (105, 126, 154, 109) (112, 121) (113, 205) (119, 137, 264, 174) (128, 184, 185, 175) (129, 265, 256, 225) (134, 209) (136, 223, 168, 161) (140, 150, 142, 240) (146, 268, 236, 173) (158, 226, 222, 227) (170, 232) (172, 263, 245, 247) (178, 239, 234, 235) (181, 207, 200, 201) (196, 211) , (1, 3, 26, 52, 76, 259, 120, 75, 78, 273) (2, 10, 225, 31, 125, 149, 256, 28, 180, 47) (4, 143, 133, 77, 114, 198, 63, 202, 89, 272) (5, 245, 30, 136, 204, 192, 15, 243, 33, 221) (6, 271, 168, 172, 210, 232, 188, 276, 246, 74) (7, 244) (8, 237, 51, 87, 170, 206, 247, 161, 163, 70) (9, 85, 40, 238, 258) (11, 241, 18, 61, 187, 191, 80, 213, 229, 64) (12, 211, 252, 13, 55, 90, 196, 102, 242, 267) (14, 139, 162, 236, 184, 73, 266, 145, 71, 97) (16, 105, 38, 154, 255, 23, 45, 126, 115, 231) (17, 22, 197, 110, 239, 132, 50, 59, 233, 235) (19, 39, 248, 43, 131, 83, 53, 84, 130, 185) (20, 171, 148, 209, 93, 173, 146, 182, 134, 203) (21, 104, 268, 141, 122, 32, 175, 253, 186, 214) (24, 269, 66, 62, 54, 164, 42, 265, 179, 129) (25, 274, 147, 152, 37, 36, 103, 254, 155, 275) (27, 208, 108, 222, 69, 226, 57, 72, 144, 92) (29, 65, 118, 234, 68, 88, 106, 223, 178, 263) (34, 215, 116, 257, 142, 217, 100, 153, 95, 262) (35, 160, 177, 99, 96, 157, 249, 98, 150, 48) (41, 113, 67, 193, 181, 56, 121, 124, 216, 101) (44, 176, 112, 224, 201, 166, 127, 205, 123, 167) (46, 230, 140, 218, 250, 156, 111, 91, 117, 82) (49, 135, 220, 151, 207, 251, 165, 200, 240, 212) (60, 81, 189, 227, 270, 190, 107, 169, 94, 158) (79, 260, 195, 261, 183, 128, 86, 159, 199, 228) (109, 138) (119, 194, 219, 264, 174).

The representatives of conjugacy classes of $G^{s_{13}}$ are:

() , (1, 259) (2, 149) (3, 120) (4, 198) (5, 192) (6, 232) (7, 244) (8, 206) (10, 256) (11, 191) (12, 90) (13, 242) (14, 73) (15, 245) (16, 23) (17, 132) (18, 213) (19, 83) (20, 173) (21, 32) (22, 50) (24, 164) (25, 36) (26, 75) (27, 226) (28, 225) (29, 88) (30, 243) (31, 180) (33, 136) (34, 217) (35, 157) (37, 275) (38, 126) (39, 53) (41, 56) (42, 269) (43, 130) (44, 166) (45, 105) (46, 156) (47, 125) (48, 96) (49, 251) (51, 161) (52, 78) (54, 129) (55, 267) (57, 208) (59, 197) (60, 190) (61, 229) (62, 179) (63, 143) (64, 187) (65, 106) (66, 265) (67, 124)

(68, 263) (69, 92) (70, 170) (71, 236) (72, 108) (74, 210) (76, 273) (77, 89) (79, 128) (80, 241) (81, 107) (82, 250) (84, 248) (86, 260) (87, 163) (91, 140) (93, 203) (94, 227) (95, 257) (97, 184) (98, 177) (99, 150) (100, 215) (101, 181) (102, 252) (103, 274) (104, 175) (109, 138) (110, 233) (111, 230) (112, 205) (113, 121) (114, 272) (115, 154) (116, 153) (117, 218) (118, 223) (122, 214) (123, 224) (127, 176) (131, 185) (133, 202) ([...]) , (1, 59, 221, 259, 197, 204) (2, 93, 195, 149, 203, 159) (3, 135, 50, 120, 165, 22) (4, 151, 76, 198, 240, 273) (5, 113, 271, 192, 121, 188) (6, 232) (7, 176, 67, 244, 127, 124) (8, 118, 262, 206, 223, 142) (9, 264, 238) (10, 144, 90, 256, 222, 12) (11, 211, 16, 191, 196, 23) (13, 226, 241, 242, 27, 80) (14, 265, 236, 73, 66, 71) (15, 35, 116, 245, 157, 153) (17, 56, 217, 132, 41, 34) (18, 214, 125, 213, 122, 47) (19, 72, 31, 83, 108, 180) (20, 227, 158, 173, 94, 270) (21, 248, 171, 32, 84, 146) (24, 179, 138, 164, 62, 109) (25, 275, 229, 36, 37, 61) (26, 98, 114, 75, 177, 272) (28, 208, 209, 225, 57, 134) (29, 239, 160, 88, 235, 249) (30, 87, 201, 243, 163, 167) (33, 170, 200, 136, 70, 220) (38, 69, 260, 126, 92, 86) (39, 182, 107, 53, 148, 81) (40, 119, 85) (42, 269) (43, 130) (44, 161, 52, 166, 51, 78) (45, 254, 185, 105, 147, 131) (46, 156) (48, 202, 276, 96, 133, 168) (49, 74, 205, 251, 210, 112) (54, 139, 145, 129, 266, 162) ([...]) , (1, 197, 221) (2, 203, 195) (3, 165, 50) (4, 240, 76) (5, 121, 271) (7, 127, 67) (8, 223, 262) (9, 264, 238) (10, 222, 90) (11, 196, 16) (12, 256, 144) (13, 27, 241) (14, 66, 236) (15, 157, 116) (17, 41, 217) (18, 122, 125) (19, 108, 31) (20, 94, 158) (21, 84, 171) (22, 120, 135) (23, 191, 211) (24, 62, 138) (25, 37, 229) (26, 177, 114) (28, 57, 209) (29, 235, 160) (30, 163, 201) (32, 248, 146) (33, 70, 200) (34, 132, 56) (35, 153, 245) (36, 275, 61) (38, 92, 260) (39, 148, 107) (40, 119, 85) (44, 51, 52) (45, 147, 185) (47, 213, 214) (48, 133, 276) (49, 210, 205) (53, 182, 81) (54, 266, 145) (55, 152, 103) (58, 194, 174) (59, 204, 259) (60, 102, 79) (63, 237, 216) (64, 175, 141) (65, 207, 250) (68, 101, 257) (69, 86, 126) (71, 73, 265) (72, 180, 83) (74, 112, 251) (75, 98, 272) (77, 178, 172) (78, 166, 161) (80, 242, 226) (82, 106, 212) (87, 167, 243) (88, 239, 249) (89, 234, 246) (91, 99, 117) (93, 159, 149) (95, 263, 181) (96, 202, 168) (100, 111, 233) ([...]) , (1, 142, 197, 206, 221, 118) (2, 195, 203) (3, 192, 165, 113, 50, 188) (4, 48, 240, 133, 76, 276) (5, 135, 121, 22, 271, 120) (6, 224) (7, 88, 127, 239, 67, 249) (8, 204, 223, 259, 262, 59) (9, 238, 264) (10, 154, 222, 261, 90, 189) (11, 122, 196, 125, 16, 18) (12, 169, 256, 115, 144, 199) (13, 229, 27, 25, 241, 37) (14, 227, 66, 270, 236, 173) (15, 106, 157, 212, 116, 82) (17, 247, 41, 193, 217, 143) (19, 31, 108) (20, 73, 94, 265, 158, 71) (21, 60, 84, 102, 171, 79) (23, 213, 191, 214, 211, 47) (24, 274, 62, 267, 138, 155) (26, 112, 177, 251, 114, 74) (28, 268, 57, 255, 209, 183) (29, 176, 235, 124, 160, 244) (30, 234, 163, 246, 201, 89) (32, 190, 248, 252, 146, 128) (33, 220, 70, 136, 200, 170) (34, 63, 132, 237, 56, 216) (35, 207, 153, 250, 245, 65) (36, 80, 275, 242, 61, 226) (38, 129, 92, 139, 260, 162) (39, 104, 148, 186, 107, 187) (40, 174, 119, 58, 85, 194) (42, 43) (44, 52, 51) (45, 185, 147) (46, 156) (49, 272, 210, 75, 205, 98) ([...]) , (1, 262, 197, 8, 221, 223) (2, 159, 203, 149, 195, 93) (3, 5, 165, 121, 50, 271) (4, 96, 240, 202, 76, 168) (6, 123) (7, 29, 127, 235, 67, 160) (9, 238, 264) (10, 115, 222, 199, 90, 169) (11, 214, 196, 47, 16, 213) (12, 189, 256, 154, 144, 261) (13, 61, 27, 36, 241, 275) (14, 94, 66, 158, 236, 20) (15, 65, 157, 207, 116, 250) (17, 237, 41, 216, 217, 63) (18, 191, 122, 211, 125, 23) (19, 180, 108, 83, 31, 72) (21, 190, 84, 252, 171, 128) (22, 188, 120, 192, 135, 113) (24, 103, 62, 55, 138, 152) (25, 80, 37, 242, 229, 226) (26, 205, 177, 49, 114, 210) (28, 253, 57, 231, 209, 228) (30, 178, 163, 172, 201, 77) (32, 60, 248, 102, 146, 79) (33, 200, 70) (34, 143, 132, 247, 56, 193) (35, 212, 153, 82, 245, 106) (38, 54, 92, 266, 260, 145) (39, 175, 148, 141, 107, 64) (40, 174, 119, 58, 85, 194) (42, 130) (43, 269) (44, 78, 51, 166, 52, 161) (45, 131, 147, 105, 185, 254) (48, 151, 133, 273, 276, 198) (53, 104, 182, 186, 81, 187) (59, 206, 204, 118, 259, 142) ([...]) , (1, 8) (2, 149) (3, 121) (4, 202) (5, 50) (6, 123) (7, 235) (10, 199) (11, 47) (12, 154) (13, 36) (14, 158) (15, 207) (16, 214) (17, 216) (18, 211) (19, 83) (20, 66) (21, 252) (22, 192) (23, 122) (24, 55) (25, 242) (26, 49) (27, 275) (28, 231) (29, 67) (30, 172) (31, 180) (32, 102) (34, 247) (35, 82) (37, 226) (38, 266) (39, 141) (40, 58) (41, 63) (42, 130) (43, 269) (44, 166) (45, 105) (48, 273) (51, 161) (52, 78) (53, 186) (54, 260) (56, 143) (57, 228) (59, 118) (60, 146) (61, 241) (62, 152) (64, 148) (65, 116) (68, 140) (69, 162) (71, 227) (72, 108) (73, 270) (74, 98) (75, 251) (76, 96) (77, 163) (79, 248) (80, 229) (81, 104) (84, 128) (85, 174) (86, 129) (87, 89) (88, 124) (90, 115) (91, 263) (92, 145) (93, 203) (94, 236) (95, 117) (97, 184) (99, 181) (100, 215) (101, 150) (103, 138) (106, 153) (107, 175) (109, 274) (110, 233) (111, 230) (112, 272) (113, 120) (114, 205) (119, 194) (125, 191) (126, 139) (127, 160) (131, 185)

(132, 193) (133, 198) (134, 268) (135, 188) (137, 258) ([...]) , (1, 206) (3, 113) (4, 133) (5, 22) (6, 224)
 (7, 239) (8, 259) (10, 261) (11, 125) (12, 115) (13, 25) (14, 270) (15, 212) (16, 122) (17, 193) (18, 196) (20,
 265) (21, 102) (23, 214) (24, 267) (26, 251) (27, 37) (28, 255) (29, 124) (30, 246) (32, 252) (33, 136) (34,
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 193, 33) (2, 169, 90, 38, 148, 149, 189, 12, 126, 182) (3, 120) (4, 8, 160, 70, 77, 198, 206, 249, 170, 89) (5,

113, 215, 111, 224, 192, 121, 100, 230, 123) (6, 135, 271, 233, 50, 232, 165, 188, 110, 22) (7, 153, 44, 181, 46, 244, 116, 166, 101, 156) (9, 258, 85, 219, 238) (10, 53, 241, 183, 31, 256, 39, 80, 228, 180) (11, 45, 37, 260, 19, 191, 105, 275, 86, 83) (13, 115, 20, 81, 125, 242, 154, 173, 107, 47) (14, 97, 139, 269, 236, 73, 184, 266, 42, 71) (15, 117, 273, 34, 223, 245, 218, 76, 217, 118) (16, 248, 171, 267, 261, 23, 84, 146, 55, 199) (17, 207, 197, 151, 239, 132, 212, 59, 240, 235) (18, 128, 131, 274, 231, 213, 79, 185, 103, 255) (21, 72, 186, 175, 253, 32, 108, 141, 104, 268) (24, 179, 129, 265, 162, 164, 62, 54, 66, 145) (25, 159, 94, 190, 130, 36, 195, 227, 60, 43) (26, 30, 127, 41, 178, 75, 243, 176, 56, 234) (27, 92, 208, 214, 222, 226, 69, 57, 122, 144) (28, 229, 252, 134, 64, 225, 61, 102, 209, 187) ([...]) , (1, 234, 193, 176, 68, 75, 136, 41, 201, 30) (2, 20, 126, 13, 189, 107, 148, 154, 90, 125) (3, 120) (4, 110, 170, 165, 206, 50, 77, 271, 160, 6) (5, 112, 230, 95, 121, 106, 224, 250, 215, 124) (7, 156, 101, 166, 116, 244, 46, 181, 44, 153) (8, 22, 89, 188, 249, 232, 198, 233, 70, 135) (9, 194, 219, 264, 258, 174, 238, 40, 85, 119) (10, 227, 228, 36, 39, 190, 31, 159, 241, 43) (11, 131, 86, 18, 105, 103, 19, 79, 37, 231) (12, 47, 149, 173, 38, 242, 169, 81, 182, 115) (14, 141, 42, 32, 184, 175, 236, 72, 139, 268) (15, 221, 217, 78, 218, 29, 223, 142, 273, 140) (16, 261, 55, 171, 84) (17, 133, 240, 114, 212, 63, 239, 48, 197, 150) (21, 97, 104, 71, 108, 266, 253, 73, 186, 269) (23, 199, 267, 146, 248) (24, 122, 66, 69, 62, 222, 162, 208, 129, 27) (25, 53, 60, 180, 195, 80, 130, 256, 94, 183) (26, 33, 56, 167, 243, 259, 178, 216, 127, 263) (28, 254, 209, 196, 61, 158, 64, 203, 252, 152) (34, 52, 117, 88, 118, 262, 76, 91, 245, 204) ([...]) , (1, 178, 193, 127, 68, 26, 136, 56, 201, 243) (2, 173, 126, 242, 189, 81, 148, 115, 90, 47) (4, 233, 170, 135, 206, 22, 77, 188, 160, 232) (5, 205, 230, 257, 121, 65, 224, 82, 215, 67) (6, 198, 110, 70, 165, 8, 50, 89, 271, 249) (7, 46, 101, 44, 116) (9, 194, 219, 264, 258, 174, 238, 40, 85, 119) (10, 94, 228, 25, 39, 60, 31, 195, 241, 130) (11, 185, 86, 213, 105, 274, 19, 128, 37, 255) (12, 125, 149, 20, 38, 13, 169, 107, 182, 154) (14, 186, 42, 21, 184, 104, 236, 108, 139, 253) (15, 204, 217, 52, 218, 88, 223, 262, 273, 91) (16, 199, 55, 146, 84, 23, 261, 267, 171, 248) (17, 202, 240, 272, 212, 143, 239, 96, 197, 99) (18, 45, 103, 83, 79, 275, 231, 191, 131, 260) (24, 214, 66, 92, 62, 144, 162, 57, 129, 226) (27, 164, 122, 265, 69, 179, 222, 145, 208, 54) (28, 147, 209, 211, 61, 270, 64, 93, 252, 155) (29, 118, 142, 76, 140, 245, 221, 34, 78, 117) (30, 259, 234, 216, 176, 263, 75, 33, 41, 167) (32, 97, 175, 71, 72, 266, 268, 73, 141, 269) ([...]) , (1, 181, 56, 234, 89, 165, 206, 5, 26, 157, 235, 259, 101, 41, 178, 77, 135, 8, 192, 75, 35, 239) (2, 108, 203, 81, 227, 148, 86, 154, 164, 185, 138, 149, 72, 93, 107, 94, 182, 260, 115, 24, 131, 109) (3, 123, 98, 245, 153, 176, 74, 217, 51, 263, 106, 120, 224, 177, 15, 116, 127, 210, 34, 161, 68, 65) (4, 100, 118, 249, 188, 114, 136, 197, 133, 76, 49, 198, 215, 223, 160, 271, 272, 33, 59, 202, 273, 251) (6, 247, 48, 220, 170, 22, 46, 150, 140, 29, 82, 232, 237, 96, 200, 70, 50, 156, 99, 91, 88, 250) (7, 124, 121, 262, 204, 167, 163, 207, 205, 230, 63, 244, 67, 113, 142, 221, 201, 87, 212, 112, 111, 143) (9, 137, 264, 58, 219, 40, 238, 85, 258, 119, 194) (10, 175, 213, 183, 13, 19, 126, 225, 64, 171, 179, 256, 104, 18, 228, 242, 83, 38, 28, 187, 146, 62) (11, 134, 147, 266, 20, 253, 125, 37, 71, 261, 69, 191, 209, 254, 139, 173, 268, 47, 275, 236, 199, 92) (12, 14, 66, 21, 122, 23, 169, 36, 152, 267, 180, 90, 73, 265, 32, 214, 16, 189, 25, 155, 55, 31) ([...]) , (1, 101, 56, 178, 89, 135, 206, 192, 26, 35, 235) (2, 72, 203, 107, 227, 182, 86, 115, 164, 131, 138) (3, 224, 98, 15, 153, 127, 74, 34, 51, 68, 106) (4, 215, 118, 160, 188, 272, 136, 59, 133, 273, 49) (5, 75, 157, 239, 259, 181, 41, 234, 77, 165, 8) (6, 237, 48, 200, 170, 50, 46, 99, 140, 88, 82) (7, 67, 121, 142, 204, 201, 163, 212, 205, 111, 63) (9, 137, 264, 58, 219, 40, 238, 85, 258, 119, 194) (10, 104, 213, 228, 13, 83, 126, 28, 64, 146, 179) (11, 209, 147, 139, 20, 268, 125, 275, 71, 199, 69) (12, 73, 66, 32, 122, 16, 169, 25, 152, 55, 180) (14, 265, 21, 214, 23, 189, 36, 155, 267, 31, 90) (17, 78, 166, 151, 95, 110, 216, 30, 168, 117, 172) (18, 183, 242, 19, 38, 225, 187, 171, 62, 256, 175) (22, 156, 150, 91, 29, 250, 232, 247, 96, 220, 70) (24, 185, 109, 149, 108, 93, 81, 94, 148, 260, 154) (27, 269, 252, 144, 211, 274, 79, 255, 158, 54, 241) (33, 197, 202, 76, 251, 198, 100, 223, 249, 271, 114) (37, 236, 261, 92, 191, 134, 254, 266, 173, 253, 47) ([...]) , (1, 41, 89, 8, 26, 239, 101, 234, 135, 5, 35, 259, 56, 77, 206, 75, 235, 181, 178, 165, 192, 157) (2, 93, 227, 260, 164, 109, 72, 81, 182, 154, 131, 149, 203, 94, 86, 24, 138, 108, 107, 148, 115, 185) (3, 177, 153, 210, 51, 65, 224, 245, 127, 217, 68, 120, 98, 116, 74, 161, 106, 123, 15, 176, 34, 263) (4, 223, 188, 33, 133, 251, 215, 249, 272, 197, 273, 198, 118, 271, 136, 202, 49, 100, 160, 114, 59, 76) (6, 96, 170, 156, 140, 250, 237, 220, 50, 150, 88, 232, 48, 70, 46, 91, 82, 247, 200, 22, 99, 29) (7, 113, 204, 87, 205, 143, 67, 262, 201, 207, 111, 244, 121, 221, 163, 112, 63, 124, 142, 167,

212, 230) (9, 264, 219, 238, 258, 194, 137, 58, 40, 85, 119) (10, 18, 13, 38, 64, 62, 104, 183, 83, 225, 146, 256, 213, 242, 126, 187, 179, 175, 228, 19, 28, 171) (11, 254, 20, 47, 71, 92, 209, 266, 268, 37, 199, 191, 147, 173, 125, 236, 69, 134, 139, 253, 275, 261) (12, 265, 122, 189, 152, 31, 73, 21, 16, 36, 55, 90, 66, 214, 169, 155, 180, 14, 32, 23, 25, 267) ([...]) , (1, 56, 89, 206, 26, 235, 101, 178, 135, 192, 35) (2, 203, 227, 86, 164, 138, 72, 107, 182, 115, 131) (3, 98, 153, 74, 51, 106, 224, 15, 127, 34, 68) (4, 118, 188, 136, 133, 49, 215, 160, 272, 59, 273) (5, 157, 259, 41, 77, 8, 75, 239, 181, 234, 165) (6, 48, 170, 46, 140, 82, 237, 200, 50, 99, 88) (7, 121, 204, 163, 205, 63, 67, 142, 201, 212, 111) (9, 264, 219, 238, 258, 194, 137, 58, 40, 85, 119) (10, 213, 13, 126, 64, 179, 104, 228, 83, 28, 146) (11, 147, 20, 125, 71, 69, 209, 139, 268, 275, 199) (12, 66, 122, 169, 152, 180, 73, 32, 16, 25, 55) (14, 21, 23, 36, 267, 90, 265, 214, 189, 155, 31) (17, 166, 95, 216, 168, 172, 78, 151, 110, 30, 117) (18, 242, 38, 187, 62, 175, 183, 19, 225, 171, 256) (22, 150, 29, 232, 96, 70, 156, 91, 250, 247, 220) (24, 109, 108, 81, 148, 154, 185, 149, 93, 94, 260) (27, 252, 211, 79, 158, 241, 269, 144, 274, 255, 54) (33, 202, 251, 100, 249, 114, 197, 76, 198, 223, 271) (37, 261, 191, 254, 173, 47, 236, 92, 134, 266, 253) ([...]) .

The character table of $G^{s_{13}}$:

	10										20									
$\chi_{13}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{13}^{(2)}$	1	-1	-1	1	1	-1	-1	1	1	-1	1	-1	-1	1	1	-1	1	-1	1	-1
$\chi_{13}^{(3)}$	11	-11	-2	2	.	.	-3	3	-1	1	-1	1	-1	-1	1	-1	1	3	-3	1
$\chi_{13}^{(4)}$	11	-11	-2	2	.	.	-3	3	1	-1	3	-3	1	-1	-1	1	-1	1	-1	1
$\chi_{13}^{(5)}$	11	11	2	2	.	.	3	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	3	3	1
$\chi_{13}^{(6)}$	11	11	2	2	.	.	3	3	1	1	3	3	-1	-1	-1	-1	-1	-1	-1	-1
$\chi_{13}^{(7)}$	16	-16	2	-2	.	.	.	.	.	.	.	.	-1	1	1	-1	4	-4	.	.
$\chi_{13}^{(8)}$	16	-16	2	-2	.	.	.	.	.	.	.	.	-1	1	1	-1	4	-4	.	.
$\chi_{13}^{(9)}$	16	16	-2	-2	.	.	.	.	.	.	.	.	1	1	1	1	4	4	.	.
$\chi_{13}^{(10)}$	16	16	-2	-2	.	.	.	.	.	.	.	.	1	1	1	1	4	4	.	.
$\chi_{13}^{(11)}$	45	-45	.	.	.	.	3	-3	-1	1	1	-1	-3	3	-1	1	5	-5	1	-1
$\chi_{13}^{(12)}$	45	45	.	.	.	.	-3	-3	-1	-1	1	1	3	3	-1	-1	5	5	1	-1
$\chi_{13}^{(13)}$	54	-54	.	.	.	.	-6	6	.	.	2	-2	.	.	.	.	6	-6	2	-2
$\chi_{13}^{(14)}$	54	54	.	.	.	.	6	6	.	.	2	2	.	.	.	.	6	6	2	2
$\chi_{13}^{(15)}$	55	55	1	1	1	1	7	7	-1	-1	-1	-1	1	1	1	1	-5	-5	-1	-1
$\chi_{13}^{(16)}$	55	-55	-1	1	1	-1	-7	7	-1	1	-1	1	-1	1	1	-1	-5	5	-1	1
$\chi_{13}^{(17)}$	55	-55	-1	1	-1	1	1	-1	-1	1	3	-3	-1	1	1	-1	-5	5	-1	1
$\chi_{13}^{(18)}$	55	-55	-1	1	-1	1	1	-1	1	-1	-1	1	-1	1	1	-1	-5	5	3	-3
$\chi_{13}^{(19)}$	55	55	1	1	-1	-1	-1	-1	-1	3	3	1	1	1	1	1	-5	-5	-1	-1
$\chi_{13}^{(20)}$	55	55	1	1	-1	-1	-1	-1	1	1	-1	-1	1	1	1	1	-5	-5	3	3
$\chi_{13}^{(21)}$	66	66	3	3	-1	-1	2	2	.	.	-2	-2	.	.	.	.	6	6	-2	-2
$\chi_{13}^{(22)}$	66	-66	-3	3	-1	1	-2	2	.	.	-2	2	.	.	.	.	6	-6	-2	2
$\chi_{13}^{(23)}$	99	99	.	.	.	.	3	3	1	1	-1	-1	3	3	-1	-1	-1	-1	-1	-1
$\chi_{13}^{(24)}$	99	-99	.	.	.	.	-3	3	1	-1	-1	1	-3	3	-1	1	-1	1	1	-1
$\chi_{13}^{(25)}$	120	120	3	3	1	1	-8	-8	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{13}^{(26)}$	120	-120	-3	3	1	-1	8	8	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{13}^{(27)}$	144	144	.	.	.	.	.	.	.	.	.	.	-3	-3	1	1	4	4	.	.
$\chi_{13}^{(28)}$	144	-144	.	.	.	.	.	.	.	.	.	.	3	-3	1	-1	4	-4	.	.
$\chi_{13}^{(29)}$	176	176	-4	-4	.	.	.	.	.	.	.	.	-1	-1	-1	-1	-4	-4	.	.
$\chi_{13}^{(30)}$	176	-176	4	-4	.	.	.	.	.	.	.	.	1	-1	-1	1	-4	4	.	.

$\chi_{13}^{(1)}$	1	1	1	1	1	1
$\chi_{13}^{(2)}$	-1	1	-1	1	-1	1
$\chi_{13}^{(3)}$	1	-1	.	.	.	.
$\chi_{13}^{(4)}$	1	-1	.	.	.	.
$\chi_{13}^{(5)}$	-1	-1	.	.	.	.
$\chi_{13}^{(6)}$	-1	-1	.	.	.	.
$\chi_{13}^{(7)}$	1	-1	A	-A	/A	-/A
$\chi_{13}^{(8)}$	1	-1	/A	-/A	A	-A
$\chi_{13}^{(9)}$	-1	-1	-/A	-/A	-A	-A
$\chi_{13}^{(10)}$	-1	-1	-A	-A	-/A	-/A
$\chi_{13}^{(11)}$	.	.	-1	1	-1	1
$\chi_{13}^{(12)}$	.	.	1	1	1	1
$\chi_{13}^{(13)}$	-1	1	1	-1	1	-1
$\chi_{13}^{(14)}$	1	1	-1	-1	-1	-1
$\chi_{13}^{(15)}$	.	.	.	.	.	.
$\chi_{13}^{(16)}$	.	.	.	.	.	.
$\chi_{13}^{(17)}$	.	.	.	.	.	.
$\chi_{13}^{(18)}$	.	.	.	.	.	.
$\chi_{13}^{(19)}$	.	.	.	.	.	.
$\chi_{13}^{(20)}$	.	.	.	.	.	.
$\chi_{13}^{(21)}$	1	1	.	.	.	.
$\chi_{13}^{(22)}$	-1	1	.	.	.	.
$\chi_{13}^{(23)}$	-1	-1	.	.	.	.
$\chi_{13}^{(24)}$	1	-1	.	.	.	.
$\chi_{13}^{(25)}$	.	.	-1	-1	-1	-1
$\chi_{13}^{(26)}$	.	.	1	-1	1	-1
$\chi_{13}^{(27)}$	-1	-1	1	1	1	1
$\chi_{13}^{(28)}$	1	-1	-1	1	-1	1
$\chi_{13}^{(29)}$	1	1	.	.	.	.
$\chi_{13}^{(30)}$	-1	1	.	.	.	.

where $A = -E(11) - E(11)^3 - E(11)^4 - E(11)^5 - E(11)^9 = (1 - ER(-11))/2 = -b11$.

The generators of $G^{s_{14}}$ are:

(1, 108, 40, 269, 17, 207, 61, 263, 115, 46, 151, 138, 137, 103, 29, 205, 261, 41, 60, 135) (2, 72, 132, 219, 257, 62, 260, 121, 166, 233, 173, 109, 88, 258, 127, 228, 203, 193, 163, 272) (3, 6, 20, 63, 158, 114, 8, 25, 238, 64, 142, 223, 149, 215, 159, 110, 22, 180, 194, 242) (4, 117, 111, 5, 12, 97, 38, 274, 191, 143, 181, 218, 247, 98, 147, 16, 18, 42, 155, 100) (7, 128, 65, 216, 184, 177, 183, 232, 165, 222, 221, 231, 74, 113, 23, 192, 179, 118, 156, 186) (9, 91, 48, 140, 264, 248, 171, 175, 32, 145) (10, 167, 226, 146, 21) (11, 168, 92, 197, 105, 37, 75, 28, 67, 211, 152, 153, 122, 220, 241, 14, 271, 19, 239, 267) (13, 190, 212, 89, 106, 81, 144, 170, 85, 206, 187, 154, 112, 76, 210, 129, 141, 172, 119, 50) (15, 245, 43, 185, 182) (24, 101, 78, 236, 73, 225, 237, 178, 214, 80, 189, 198, 133, 134, 275, 83, 230, 34, 69, 45) (26, 243, 66, 87, 116, 53, 164, 49, 213, 54, 188, 35, 102, 44, 276, 139, 169, 251, 126, 107) (27, 161, 58, 131, 174, 51, 256, 148, 96, 130) (30, 70, 227, 266, 95, 249, 240, 199, 195, 262, 157, 246, 125, 39, 176, 136, 259, 229, 270, 120) (31, 208, 79, 252, 244, 217, 250, 202, 68, 196, 36, 268, 255, 265, 204, 234, 82, 52, 56, 55) (33, 200, 86, 57, 224, 71, 94, 124, 273, 254, 160, 59, 93, 253, 123, 209, 47, 235, 77, 90) (84, 162, 150, 104, 99).

The representatives of conjugacy classes of $G^{s_{14}}$ are:

() , (1, 17, 115, 137, 261) (2, 257, 166, 88, 203) (3, 158, 238, 149, 22) (4, 12, 191, 247, 18) (5, 274, 218, 16, 100) (6, 114, 64, 215, 180) (7, 184, 165, 74, 179) (8, 142, 159, 194, 20) (9, 264, 32, 48, 171) (10, 21, 146, 226, 167) (11, 105, 67, 122, 271) (13, 106, 85, 112, 141) (14, 267, 197, 28, 153) (15, 182, 185, 43, 245) (19, 168, 37, 211, 220) (23, 156, 65, 183, 221) (24, 73, 214, 133, 230) (25, 223, 110, 242, 63) (26, 116, 213, 102, 169) (27, 174, 96, 58, 256) (29, 60, 40, 61, 151) (30, 95, 195, 125, 259) (31, 244, 68, 255, 82) (33, 224, 273, 93, 47) (34, 101, 225, 80, 134) (35, 139, 107, 87, 49) (36, 204, 56, 79, 250) (38, 181, 147, 155, 111) (39, 229, 70, 249, 262) (41, 108, 207, 46, 103) (42, 117, 97, 143, 98) (44, 251, 243, 53, 54) (45, 236, 178, 198, 83) (50, 89, 170, 154, 129) (51, 130, 131, 148, 161) (52, 208, 217, 196, 265) (55, 252, 202, 268, 234) (57, 124, 59, 209, 90) (62, 233, 258, 193, 72) (66, 164, 188, 276, 126) ([...]) , (1, 29, 115, 40, 261, 151, 17, 60, 137, 61) (2, 127, 166, 132, 203, 173, 257, 163, 88, 260) (3, 159, 238, 20, 22, 142, 158, 194, 149, 8) (4, 147, 191, 111, 18, 181, 12, 155, 247, 38) (5, 42, 218, 97, 100, 98, 274, 117, 16, 143) (6, 110, 64, 63, 180, 223, 114, 242, 215, 25) (7, 23, 165, 65, 179, 221, 184, 156, 74, 183) (9, 264, 32, 48, 171) (10, 21, 146, 226, 167) (11, 241, 67, 92, 271, 152, 105, 239, 122, 75) (13, 210, 85, 212, 141, 187, 106, 119, 112, 144) (14, 211, 197, 19, 153, 37, 267, 220, 28, 168) (15, 182, 185, 43, 245) (24, 275, 214, 78, 230, 189, 73, 69, 133, 237) (26, 276, 213, 66, 169, 188, 116, 126, 102, 164) (27, 174, 96, 58, 256) (30, 176, 195, 227, 259, 157, 95, 270, 125, 240) (31, 204, 68, 79, 82, 36, 244, 56, 255, 250) (33, 123, 273, 86, 47, 160, 224, 77, 93, 94) (34, 198, 225, 45, 134, 178, 101, 83, 80, 236) (35, 53, 107, 44, 49, 243, 139, 54, 87, 251) (39, 199, 70, 136, 262, 266, 229, 246, 249, 120) ([...]) , (1, 40, 17, 61, 115, 151, 137, 29, 261, 60) (2, 132, 257, 260, 166, 173, 88, 127, 203, 163) (3, 20, 158, 8, 238, 142, 149, 159, 22, 194) (4, 111, 12, 38, 191, 181, 247, 147, 18, 155) (5, 97, 274, 143, 218, 98, 16, 42, 100, 117) (6, 63, 114, 25, 64, 223, 215, 110, 180, 242) (7, 65, 184, 183, 165, 221, 74, 23, 179, 156) (9, 48, 264, 171, 32) (10, 226, 21, 167, 146) (11, 92, 105, 75, 67, 152, 122, 241, 271, 239) (13, 212, 106, 144, 85, 187, 112, 210, 141, 119) (14, 19, 267, 168, 197, 37, 28, 211, 153, 220) (15, 43, 182, 245, 185) (24, 78, 73, 237, 214, 189, 133, 275, 230, 69) (26, 66, 116, 164, 213, 188, 102, 276, 169, 126) (27, 58, 174, 256, 96) (30, 227, 95, 240, 195, 157, 125, 176, 259, 270) (31, 79, 244, 250, 68, 36, 255, 204, 82, 56) (33, 86, 224, 94, 273, 160, 93, 123, 47, 77) (34, 45, 101, 236, 225, 178, 80, 198, 134, 83) (35, 44, 139, 251, 107, 243, 87, 53, 49, 54) (39, 136, 229, 120, 70, 266, 249, 199, 262, 246) ([...]) , (1, 41, 29, 138, 115, 207, 40, 135, 261, 103, 151, 263, 17, 108, 60, 205, 137, 46, 61, 269) (2, 193, 127, 109, 166, 62, 132, 272, 203, 258, 173, 121, 257, 72, 163, 228, 88, 233, 260, 219) (3, 180, 159, 223, 238, 114, 20, 242, 22, 215, 142, 25, 158, 6, 194, 110, 149, 64, 8, 63) (4, 42, 147, 218, 191, 97, 111, 100, 18, 98, 181, 274, 12, 117, 155, 16, 247, 143, 38, 5) (7, 118, 23, 231, 165, 177, 65, 186, 179, 113, 221, 232, 184, 128, 156, 192, 74, 222, 183, 216) (9, 175, 264, 91, 32, 248, 48, 145, 171, 140) (10, 226, 21, 167, 146) (11, 19, 241, 153, 67, 37, 92, 267, 271, 220, 152, 28, 105, 168, 239, 14, 122, 211, 75, 197) (13, 172, 210, 154, 85, 81, 212, 50, 141, 76, 187, 170, 106, 190, 119, 129, 112, 206, 144, 89) (15, 43, 182, 245, 185) (24, 34, 275, 198, 214, 225, 78, 45, 230, 134, 189, 178, 73, 101, 69, 83, 133, 80, 237, 236) (26, 251, 276, 35, 213, 53, 66, 107, 169, 44, 188, 49, 116, 243, 126, 139, 102, 54, 164, 87) ([...]) , (1, 46, 60, 263, 261, 207, 29, 269, 137, 108, 151, 135, 115, 41, 61, 205, 17, 103, 40, 138) (2, 233, 163, 121, 203, 62, 127, 219, 88, 72, 173, 272, 166, 193, 260, 228, 257, 258, 132, 109) (3, 64, 194, 25, 22, 114, 159, 63, 149, 6, 142, 242, 238, 180, 8, 110, 158, 215, 20, 223) (4, 143, 155, 274, 18, 97, 147, 5, 247, 117, 181, 100, 191, 42, 38, 16, 12, 98, 111, 218) (7, 222, 156, 232, 179, 177, 23, 216, 74, 128, 221, 186, 165, 118, 183, 192, 184, 113, 65, 231) (9, 145, 32, 175, 171, 248, 264, 140, 48, 91) (10, 21, 146, 226, 167) (11, 211, 239, 28, 271, 37, 241, 197, 122, 168, 152, 267, 67, 19, 75, 14, 105, 220, 92, 153) (13, 206, 119, 170, 141, 81, 210, 89, 112, 190, 187, 50, 85, 172, 144, 129, 106, 76, 212, 154) (15, 182, 185, 43, 245) (24, 80, 69, 178, 230, 225, 275, 236, 133, 101, 189, 45, 214, 34, 237, 83, 73, 134, 78, 198) (26, 54, 126, 49, 169, 53, 276, 87, 102, 243, 188, 107, 213, 251, 164, 139, 116, 44, 66, 35) ([...]) , (1, 60, 261, 29, 137, 151, 115, 61, 17, 40) (2, 163, 203, 127, 88, 173, 166, 260, 257, 132) (3, 194, 22, 159, 149, 142, 238, 8, 158, 20) (4, 155, 18, 147, 247, 181, 191, 38, 12, 111) (5, 117, 100, 42, 16, 98, 218, 143, 274, 97) (6, 242, 180, 110, 215, 223, 64, 25, 114, 63) (7, 156, 179, 23, 74, 221, 165, 183, 184, 65) (9, 32, 171, 264, 48) (10, 146, 167, 21, 226) (11, 239, 271, 241, 122, 152, 67, 75, 105, 92) (13, 119, 141, 210, 112, 187, 85, 144,

106, 212) (14, 220, 153, 211, 28, 37, 197, 168, 267, 19) (15, 185, 245, 182, 43) (24, 69, 230, 275, 133, 189,
 214, 237, 73, 78) (26, 126, 169, 276, 102, 188, 213, 164, 116, 66) (27, 96, 256, 174, 58) (30, 270, 259, 176,
 125, 157, 195, 240, 95, 227) (31, 56, 82, 204, 255, 36, 68, 250, 244, 79) (33, 77, 47, 123, 93, 160, 273, 94, 224,
 86) (34, 83, 134, 198, 80, 178, 225, 236, 101, 45) (35, 54, 49, 53, 87, 243, 107, 251, 139, 44) (39, 246, 262,
 199, 249, 266, 70, 120, 229, 136) ([...]) , (1, 61, 137, 60, 17, 151, 261, 40, 115, 29) (2, 260, 88, 163, 257,
 173, 203, 132, 166, 127) (3, 8, 149, 194, 158, 142, 22, 20, 238, 159) (4, 38, 247, 155, 12, 181, 18, 111, 191,
 147) (5, 143, 16, 117, 274, 98, 100, 97, 218, 42) (6, 25, 215, 242, 114, 223, 180, 63, 64, 110) (7, 183, 74, 156,
 184, 221, 179, 65, 165, 23) (9, 171, 48, 32, 264) (10, 167, 226, 146, 21) (11, 75, 122, 239, 105, 152, 271, 92,
 67, 241) (13, 144, 112, 119, 106, 187, 141, 212, 85, 210) (14, 168, 28, 220, 267, 37, 153, 19, 197, 211) (15,
 245, 43, 185, 182) (24, 237, 133, 69, 73, 189, 230, 78, 214, 275) (26, 164, 102, 126, 116, 188, 169, 66, 213,
 276) (27, 256, 58, 96, 174) (30, 240, 125, 270, 95, 157, 259, 227, 195, 176) (31, 250, 255, 56, 244, 36, 82, 79,
 68, 204) (33, 94, 93, 77, 224, 160, 47, 86, 273, 123) (34, 236, 80, 83, 101, 178, 134, 45, 225, 198) (35, 251,
 87, 54, 139, 243, 49, 44, 107, 53) (39, 120, 249, 246, 229, 266, 262, 136, 70, 199) ([...]) , (1, 103, 61, 135,
 137, 207, 60, 138, 17, 41, 151, 269, 261, 46, 40, 205, 115, 108, 29, 263) (2, 258, 260, 272, 88, 62, 163, 109,
 257, 193, 173, 219, 203, 233, 132, 228, 166, 72, 127, 121) (3, 215, 8, 242, 149, 114, 194, 223, 158, 180, 142,
 63, 22, 64, 20, 110, 238, 6, 159, 25) (4, 98, 38, 100, 247, 97, 155, 218, 12, 42, 181, 5, 18, 143, 111, 16, 191,
 117, 147, 274) (7, 113, 183, 186, 74, 177, 156, 231, 184, 118, 221, 216, 179, 222, 65, 192, 165, 128, 23, 232)
 (9, 140, 171, 145, 48, 248, 32, 91, 264, 175) (10, 146, 167, 21, 226) (11, 220, 75, 267, 122, 37, 239, 153, 105,
 19, 152, 197, 271, 211, 92, 14, 67, 168, 241, 28) (13, 76, 144, 50, 112, 81, 119, 154, 106, 172, 187, 89, 141,
 206, 212, 129, 85, 190, 210, 170) (15, 185, 245, 182, 43) (24, 134, 237, 45, 133, 225, 69, 198, 73, 34, 189, 236,
 230, 80, 78, 83, 214, 101, 275, 178) (26, 44, 164, 107, 102, 53, 126, 35, 116, 251, 188, 87, 169, 54, 66, 139,
 213, 243, 276, 49) ([...]) , (1, 108, 40, 269, 17, 207, 61, 263, 115, 46, 151, 138, 137, 103, 29, 205, 261, 41,
 60, 135) (2, 72, 132, 219, 257, 62, 260, 121, 166, 233, 173, 109, 88, 258, 127, 228, 203, 193, 163, 272) (3, 6,
 20, 63, 158, 114, 8, 25, 238, 64, 142, 223, 149, 215, 159, 110, 22, 180, 194, 242) (4, 117, 111, 5, 12, 97, 38,
 274, 191, 143, 181, 218, 247, 98, 147, 16, 18, 42, 155, 100) (7, 128, 65, 216, 184, 177, 183, 232, 165, 222, 221,
 231, 74, 113, 23, 192, 179, 118, 156, 186) (9, 91, 48, 140, 264, 248, 171, 175, 32, 145) (10, 167, 226, 146, 21)
 (11, 168, 92, 197, 105, 37, 75, 28, 67, 211, 152, 153, 122, 220, 241, 14, 271, 19, 239, 267) (13, 190, 212, 89,
 106, 81, 144, 170, 85, 206, 187, 154, 112, 76, 210, 129, 141, 172, 119, 50) (15, 245, 43, 185, 182) (24, 101, 78,
 236, 73, 225, 237, 178, 214, 80, 189, 198, 133, 134, 275, 83, 230, 34, 69, 45) (26, 243, 66, 87, 116, 53, 164, 49,
 213, 54, 188, 35, 102, 44, 276, 139, 169, 251, 126, 107) ([...]) , (1, 115, 261, 17, 137) (2, 166, 203, 257, 88)
 (3, 238, 22, 158, 149) (4, 191, 18, 12, 247) (5, 218, 100, 274, 16) (6, 64, 180, 114, 215) (7, 165, 179, 184, 74)
 (8, 159, 20, 142, 194) (9, 32, 171, 264, 48) (10, 146, 167, 21, 226) (11, 67, 271, 105, 122) (13, 85, 141, 106,
 112) (14, 197, 153, 267, 28) (15, 185, 245, 182, 43) (19, 37, 220, 168, 211) (23, 65, 221, 156, 183) (24, 214,
 230, 73, 133) (25, 110, 63, 223, 242) (26, 213, 169, 116, 102) (27, 96, 256, 174, 58) (29, 40, 151, 60, 61) (30,
 195, 259, 95, 125) (31, 68, 82, 244, 255) (33, 273, 47, 224, 93) (34, 225, 134, 101, 80) (35, 107, 49, 139, 87)
 (36, 56, 250, 204, 79) (38, 147, 111, 181, 155) (39, 70, 262, 229, 249) (41, 207, 103, 108, 46) (42, 97, 98, 117,
 143) (44, 243, 54, 251, 53) (45, 178, 83, 236, 198) (50, 170, 129, 89, 154) (51, 131, 161, 130, 148) (52, 217,
 265, 208, 196) (55, 202, 234, 252, 268) (57, 59, 90, 124, 209) (62, 258, 72, 233, 193) (66, 188, 126, 164, 276) ([...]) ,
 (1, 135, 60, 41, 261, 205, 29, 103, 137, 138, 151, 46, 115, 263, 61, 207, 17, 269, 40, 108) (2, 272, 163,
 193, 203, 228, 127, 258, 88, 109, 173, 233, 166, 121, 260, 62, 257, 219, 132, 72) (3, 242, 194, 180, 22, 110,
 159, 215, 149, 223, 142, 64, 238, 25, 8, 114, 158, 63, 20, 6) (4, 100, 155, 42, 18, 16, 147, 98, 247, 218, 181,
 143, 191, 274, 38, 97, 12, 5, 111, 117) (7, 186, 156, 118, 179, 192, 23, 113, 74, 231, 221, 222, 165, 232, 183,
 177, 184, 216, 65, 128) (9, 145, 32, 175, 171, 248, 264, 140, 48, 91) (10, 21, 146, 226, 167) (11, 267, 239, 19,
 271, 14, 241, 220, 122, 153, 152, 211, 67, 28, 75, 37, 105, 197, 92, 168) (13, 50, 119, 172, 141, 129, 210, 76,
 112, 154, 187, 206, 85, 170, 144, 81, 106, 89, 212, 190) (15, 182, 185, 43, 245) (24, 45, 69, 34, 230, 83, 275,
 134, 133, 198, 189, 80, 214, 178, 237, 225, 73, 236, 78, 101) (26, 107, 126, 251, 169, 139, 276, 44, 102, 35,
 188, 54, 213, 49, 164, 53, 116, 87, 66, 243) ([...]) , (1, 137, 17, 261, 115) (2, 88, 257, 203, 166) (3, 149, 158,

22, 238) (4, 247, 12, 18, 191) (5, 16, 274, 100, 218) (6, 215, 114, 180, 64) (7, 74, 184, 179, 165) (8, 194, 142, 20, 159) (9, 48, 264, 171, 32) (10, 226, 21, 167, 146) (11, 122, 105, 271, 67) (13, 112, 106, 141, 85) (14, 28, 267, 153, 197) (15, 43, 182, 245, 185) (19, 211, 168, 220, 37) (23, 183, 156, 221, 65) (24, 133, 73, 230, 214) (25, 242, 223, 63, 110) (26, 102, 116, 169, 213) (27, 58, 174, 256, 96) (29, 61, 60, 151, 40) (30, 125, 95, 259, 195) (31, 255, 244, 82, 68) (33, 93, 224, 47, 273) (34, 80, 101, 134, 225) (35, 87, 139, 49, 107) (36, 79, 204, 250, 56) (38, 155, 181, 111, 147) (39, 249, 229, 262, 70) (41, 46, 108, 103, 207) (42, 143, 117, 98, 97) (44, 53, 251, 54, 243) (45, 198, 236, 83, 178) (50, 154, 89, 129, 170) (51, 148, 130, 161, 131) (52, 196, 208, 265, 217) (55, 268, 252, 234, 202) (57, 209, 124, 90, 59) (62, 193, 233, 72, 258) (66, 276, 164, 126, 188) ([...]) , (1, 138, 40, 103, 17, 205, 61, 41, 115, 135, 151, 108, 137, 269, 29, 207, 261, 263, 60, 46) (2, 109, 132, 258, 257, 228, 260, 193, 166, 272, 173, 72, 88, 219, 127, 62, 203, 121, 163, 233) (3, 223, 20, 215, 158, 110, 8, 180, 238, 242, 142, 6, 149, 63, 159, 114, 22, 25, 194, 64) (4, 218, 111, 98, 12, 16, 38, 42, 191, 100, 181, 117, 247, 5, 147, 97, 18, 274, 155, 143) (7, 231, 65, 113, 184, 192, 183, 118, 165, 186, 221, 128, 74, 216, 23, 177, 179, 232, 156, 222) (9, 91, 48, 140, 264, 248, 171, 175, 32, 145) (10, 167, 226, 146, 21) (11, 153, 92, 220, 105, 14, 75, 19, 67, 267, 152, 168, 122, 197, 241, 37, 271, 28, 239, 211) (13, 154, 212, 76, 106, 129, 144, 172, 85, 50, 187, 190, 112, 89, 210, 81, 141, 170, 119, 206) (15, 245, 43, 185, 182) (24, 198, 78, 134, 73, 83, 237, 34, 214, 45, 189, 101, 133, 236, 275, 225, 230, 178, 69, 80) (26, 35, 66, 44, 116, 139, 164, 251, 213, 107, 188, 243, 102, 87, 276, 53, 169, 49, 126, 54) ([...]) , (1, 151) (2, 173) (3, 142) (4, 181) (5, 98) (6, 223) (7, 221) (8, 22) (11, 152) (12, 147) (13, 187) (14, 37) (16, 97) (17, 29) (18, 38) (19, 28) (20, 149) (23, 184) (24, 189) (25, 180) (26, 188) (30, 157) (31, 36) (33, 160) (34, 178) (35, 243) (39, 266) (40, 137) (41, 263) (42, 274) (44, 87) (45, 80) (46, 135) (47, 94) (49, 251) (50, 206) (52, 202) (53, 139) (54, 107) (55, 196) (56, 68) (57, 253) (59, 200) (60, 115) (61, 261) (62, 228) (63, 215) (64, 242) (65, 74) (66, 102) (67, 239) (69, 214) (70, 246) (71, 209) (72, 109) (73, 275) (75, 271) (76, 89) (77, 273) (78, 133) (79, 255) (81, 129) (82, 250) (83, 225) (85, 119) (86, 93) (88, 132) (90, 254) (92, 122) (95, 176) (100, 143) (101, 198) (103, 269) (105, 241) (106, 210) (108, 138) (110, 114) (111, 247) (112, 212) (113, 216) (116, 276) (117, 218) (118, 232) (120, 262) (121, 193) (123, 224) (124, 235) (125, 227) (126, 213) (127, 257) (128, 231) (134, 236) (136, 249) (141, 144) (153, 168) (154, 190) (155, 191) (156, 165) (158, 159) (163, 166) ([...]) , (1, 205, 151, 207) (2, 228, 173, 62) (3, 110, 142, 114) (4, 16, 181, 97) (5, 155, 98, 191) (6, 22, 223, 8) (7, 192, 221, 177) (9, 248) (11, 14, 152, 37) (12, 100, 147, 143) (13, 129, 187, 81) (17, 135, 29, 46) (18, 218, 38, 117) (19, 122, 28, 92) (20, 180, 149, 25) (23, 222, 184, 186) (24, 83, 189, 225) (26, 139, 188, 53) (27, 51) (30, 136, 157, 249) (31, 234, 36, 217) (32, 140) (33, 209, 160, 71) (34, 133, 178, 78) (35, 164, 243, 169) (39, 195, 266, 270) (40, 41, 137, 263) (42, 247, 274, 111) (44, 213, 87, 126) (45, 275, 80, 73) (47, 59, 94, 200) (48, 175) (49, 66, 251, 102) (50, 210, 206, 106) (52, 255, 202, 79) (54, 116, 107, 276) (55, 204, 196, 244) (56, 265, 68, 252) (57, 77, 253, 273) (58, 148) (60, 103, 115, 269) (61, 108, 261, 138) (63, 194, 215, 238) (64, 158, 242, 159) (65, 118, 74, 232) (67, 197, 239, 220) (69, 134, 214, 236) (70, 259, 246, 240) (72, 203, 109, 260) (75, 168, 271, 153) (76, 85, 89, 119) (82, 268, 250, 208) (86, 235, 93, 124) ([...]) , (1, 207, 151, 205) (2, 62, 173, 228) (3, 114, 142, 110) (4, 97, 181, 16) (5, 191, 98, 155) (6, 8, 223, 22) (7, 177, 221, 192) (9, 248) (11, 37, 152, 14) (12, 143, 147, 100) (13, 81, 187, 129) (17, 46, 29, 135) (18, 117, 38, 218) (19, 92, 28, 122) (20, 25, 149, 180) (23, 186, 184, 222) (24, 225, 189, 83) (26, 53, 188, 139) (27, 51) (30, 249, 157, 136) (31, 217, 36, 234) (32, 140) (33, 71, 160, 209) (34, 78, 178, 133) (35, 169, 243, 164) (39, 270, 266, 195) (40, 263, 137, 41) (42, 111, 274, 247) (44, 126, 87, 213) (45, 73, 80, 275) (47, 200, 94, 59) (48, 175) (49, 102, 251, 66) (50, 106, 206, 210) (52, 79, 202, 255) (54, 276, 107, 116) (55, 244, 196, 204) (56, 252, 68, 265) (57, 273, 253, 77) (58, 148) (60, 269, 115, 103) (61, 138, 261, 108) (63, 238, 215, 194) (64, 159, 242, 158) (65, 232, 74, 118) (67, 220, 239, 197) (69, 236, 214, 134) (70, 240, 246, 259) (72, 260, 109, 203) (75, 153, 271, 168) (76, 119, 89, 85) (82, 208, 250, 268) (86, 124, 93, 235) ([...]) , (1, 261, 137, 115, 17) (2, 203, 88, 166, 257) (3, 22, 149, 238, 158) (4, 18, 247, 191, 12) (5, 100, 16, 218, 274) (6, 180, 215, 64, 114) (7, 179, 74, 165, 184) (8, 20, 194, 159, 142) (9, 171, 48, 32, 264) (10, 167, 226, 146, 21) (11, 271, 122, 67, 105) (13, 141, 112, 85, 106) (14, 153, 28, 197, 267) (15, 245, 43, 185, 182) (19, 220, 211, 37, 168) (23, 221, 183, 65, 156) (24, 230, 133, 214, 73) (25, 63, 242, 110, 223) (26, 169, 102, 213, 116) (27, 256, 58, 96, 174) (29,

151, 61, 40, 60) (30, 259, 125, 195, 95) (31, 82, 255, 68, 244) (33, 47, 93, 273, 224) (34, 134, 80, 225, 101)
 (35, 49, 87, 107, 139) (36, 250, 79, 56, 204) (38, 111, 155, 147, 181) (39, 262, 249, 70, 229) (41, 103, 46, 207,
 108) (42, 98, 143, 97, 117) (44, 54, 53, 243, 251) (45, 83, 198, 178, 236) (50, 129, 154, 170, 89) (51, 161, 148,
 131, 130) (52, 265, 196, 217, 208) (55, 234, 268, 202, 252) (57, 90, 209, 59, 124) (62, 72, 193, 258, 233) (66,
 126, 276, 188, 164) ([...]) , (1, 263, 29, 108, 115, 205, 40, 46, 261, 269, 151, 41, 17, 138, 60, 207, 137, 135,
 61, 103) (2, 121, 127, 72, 166, 228, 132, 233, 203, 219, 173, 193, 257, 109, 163, 62, 88, 272, 260, 258) (3, 25,
 159, 6, 238, 110, 20, 64, 22, 63, 142, 180, 158, 223, 194, 114, 149, 242, 8, 215) (4, 274, 147, 117, 191, 16, 111,
 143, 18, 5, 181, 42, 12, 218, 155, 97, 247, 100, 38, 98) (7, 232, 23, 128, 165, 192, 65, 222, 179, 216, 221, 118,
 184, 231, 156, 177, 74, 186, 183, 113) (9, 175, 264, 91, 32, 248, 48, 145, 171, 140) (10, 226, 21, 167, 146) (11,
 28, 241, 168, 67, 14, 92, 211, 271, 197, 152, 19, 105, 153, 239, 37, 122, 267, 75, 220) (13, 170, 210, 190, 85,
 129, 212, 206, 141, 89, 187, 172, 106, 154, 119, 81, 112, 50, 144, 76) (15, 43, 182, 245, 185) (24, 178, 275,
 101, 214, 83, 78, 80, 230, 236, 189, 34, 73, 198, 69, 225, 133, 45, 237, 134) (26, 49, 276, 243, 213, 139, 66,
 54, 169, 87, 188, 251, 116, 35, 126, 53, 102, 107, 164, 44) ([...]) , (1, 269, 61, 46, 137, 205, 60, 108, 17, 263,
 151, 103, 261, 135, 40, 207, 115, 138, 29, 41) (2, 219, 260, 233, 88, 228, 163, 72, 257, 121, 173, 258, 203, 272,
 132, 62, 166, 109, 127, 193) (3, 63, 8, 64, 149, 110, 194, 6, 158, 25, 142, 215, 22, 242, 20, 114, 238, 223, 159,
 180) (4, 5, 38, 143, 247, 16, 155, 117, 12, 274, 181, 98, 18, 100, 111, 97, 191, 218, 147, 42) (7, 216, 183, 222,
 74, 192, 156, 128, 184, 232, 221, 113, 179, 186, 65, 177, 165, 231, 23, 118) (9, 140, 171, 145, 48, 248, 32, 91,
 264, 175) (10, 146, 167, 21, 226) (11, 197, 75, 211, 122, 14, 239, 168, 105, 28, 152, 220, 271, 267, 92, 37, 67,
 153, 241, 19) (13, 89, 144, 206, 112, 129, 119, 190, 106, 170, 187, 76, 141, 50, 212, 81, 85, 154, 210, 172) (15,
 185, 245, 182, 43) (24, 236, 237, 80, 133, 83, 69, 101, 73, 178, 189, 134, 230, 45, 78, 225, 214, 198, 275, 34)
 (26, 87, 164, 54, 102, 139, 126, 243, 116, 49, 188, 44, 169, 107, 66, 53, 213, 35, 276, 251) ([...]) .

The character table of $G^{s_{14}}$:

	10																		20
$\chi_{14}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{14}^{(2)}$	1	1	1	1	-1	-1	1	1	-1	-1	1	-1	1	-1	1	-1	1	-1	-1
$\chi_{14}^{(3)}$	1	A	A	/B	/B	A	B	/A	B	/A	B	A	/B	/A	1	1	1	/A	/B
$\chi_{14}^{(4)}$	1	A	A	/B	-/B	-A	B	/A	-B	-/A	B	-A	/B	-/A	1	-1	-1	/A	-/B
$\chi_{14}^{(5)}$	1	B	B	A	A	B	/A	/B	/A	/B	/A	B	A	/B	1	1	1	/B	A
$\chi_{14}^{(6)}$	1	B	B	A	-A	-B	/A	/B	-/A	-/B	/A	-B	A	-/B	1	-1	-1	/B	-A
$\chi_{14}^{(7)}$	1	/B	/B	/A	/A	/B	A	B	A	B	A	/B	/A	B	1	1	1	B	/A
$\chi_{14}^{(8)}$	1	/B	/B	/A	-/A	-/B	A	B	-A	-B	A	-/B	/A	-B	1	-1	-1	B	-/A
$\chi_{14}^{(9)}$	1	/A	/A	B	B	/A	/B	A	/B	A	/B	/A	B	A	1	1	1	A	B
$\chi_{14}^{(10)}$	1	/A	/A	B	-B	-/A	/B	A	-/B	-A	/B	-/A	B	-A	1	-1	-1	A	-B
$\chi_{14}^{(11)}$	1	1	-1	-1	C	C	-1	-1	C	C	1	-C	1	-C	-1	-C	C	1	-C
$\chi_{14}^{(12)}$	1	1	-1	-1	-C	-C	-1	-1	-C	-C	1	C	1	C	-1	C	-C	1	C
$\chi_{14}^{(13)}$	1	A	-A	-/B	D	E	-B	-/A	-/D	-/E	B	-E	/B	/E	-1	-C	C	/A	-D
$\chi_{14}^{(14)}$	1	A	-A	-/B	-D	-E	-B	-/A	/D	/E	B	E	/B	-/E	-1	C	-C	/A	D
$\chi_{14}^{(15)}$	1	B	-B	-A	E	-/D	-/A	-/B	-/E	D	/A	/D	A	-D	-1	-C	C	/B	-E
$\chi_{14}^{(16)}$	1	B	-B	-A	-E	/D	-/A	-/B	/E	-D	/A	-/D	A	D	-1	C	-C	/B	E
$\chi_{14}^{(17)}$	1	/B	-/B	-/A	-/E	D	-A	-B	E	-/D	A	-D	/A	/D	-1	-C	C	B	/E
$\chi_{14}^{(18)}$	1	/B	-/B	-/A	/E	-D	-A	-B	-E	/D	A	D	/A	-/D	-1	C	-C	B	-/E
$\chi_{14}^{(19)}$	1	/A	-/A	-B	-/D	-/E	-/B	-A	D	E	/B	/E	B	-E	-1	-C	C	A	/D
$\chi_{14}^{(20)}$	1	/A	-/A	-B	/D	/E	-/B	-A	-D	-E	/B	-/E	B	E	-1	C	-C	A	-/D

where $A=E(5)$; $B=E(5)^2$; $C=E(4)=ER(-1)=i$; $D=E(20)^{17}$; $E=E(20)^9$.

The generators of $G^{s_{15}}$ are:

(1, 138, 40, 103, 17, 205, 61, 41, 115, 135, 151, 108, 137, 269, 29, 207, 261, 263, 60, 46) (2, 109, 132, 258,
 257, 228, 260, 193, 166, 272, 173, 72, 88, 219, 127, 62, 203, 121, 163, 233) (3, 223, 20, 215, 158, 110, 8, 180,

238, 242, 142, 6, 149, 63, 159, 114, 22, 25, 194, 64) (4, 218, 111, 98, 12, 16, 38, 42, 191, 100, 181, 117, 247, 5, 147, 97, 18, 274, 155, 143) (7, 231, 65, 113, 184, 192, 183, 118, 165, 186, 221, 128, 74, 216, 23, 177, 179, 232, 156, 222) (9, 91, 48, 140, 264, 248, 171, 175, 32, 145) (10, 167, 226, 146, 21) (11, 153, 92, 220, 105, 14, 75, 19, 67, 267, 152, 168, 122, 197, 241, 37, 271, 28, 239, 211) (13, 154, 212, 76, 106, 129, 144, 172, 85, 50, 187, 190, 112, 89, 210, 81, 141, 170, 119, 206) (15, 245, 43, 185, 182) (24, 198, 78, 134, 73, 83, 237, 34, 214, 45, 189, 101, 133, 236, 275, 225, 230, 178, 69, 80) (26, 35, 66, 44, 116, 139, 164, 251, 213, 107, 188, 243, 102, 87, 276, 53, 169, 49, 126, 54) (27, 161, 58, 131, 174, 51, 256, 148, 96, 130) (30, 246, 227, 39, 95, 136, 240, 229, 195, 120, 157, 70, 125, 266, 176, 249, 259, 199, 270, 262) (31, 268, 79, 265, 244, 234, 250, 52, 68, 55, 36, 208, 255, 252, 204, 217, 82, 202, 56, 196) (33, 59, 86, 253, 224, 209, 94, 235, 273, 90, 160, 200, 93, 57, 123, 71, 47, 124, 77, 254) (84, 162, 150, 104, 99).

The representatives of conjugacy classes of $G^{s_{15}}$ are:

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 143, 18, 5, 181, 42, 12, 218, 155, 97, 247, 100, 38, 98) (7, 232, 23, 128, 165, 192, 65, 222, 179, 216, 221, 118,
 184, 231, 156, 177, 74, 186, 183, 113) (9, 175, 264, 91, 32, 248, 48, 145, 171, 140) (10, 226, 21, 167, 146) (11,
 28, 241, 168, 67, 14, 92, 211, 271, 197, 152, 19, 105, 153, 239, 37, 122, 267, 75, 220) (13, 170, 210, 190, 85,
 129, 212, 206, 141, 89, 187, 172, 106, 154, 119, 81, 112, 50, 144, 76) (15, 43, 182, 245, 185) (24, 178, 275,
 101, 214, 83, 78, 80, 230, 236, 189, 34, 73, 198, 69, 225, 133, 45, 237, 134) (26, 49, 276, 243, 213, 139, 66,
 54, 169, 87, 188, 251, 116, 35, 126, 53, 102, 107, 164, 44) ([...]) , (1, 269, 61, 46, 137, 205, 60, 108, 17, 263,
 151, 103, 261, 135, 40, 207, 115, 138, 29, 41) (2, 219, 260, 233, 88, 228, 163, 72, 257, 121, 173, 258, 203, 272,
 132, 62, 166, 109, 127, 193) (3, 63, 8, 64, 149, 110, 194, 6, 158, 25, 142, 215, 22, 242, 20, 114, 238, 223, 159,
 180) (4, 5, 38, 143, 247, 16, 155, 117, 12, 274, 181, 98, 18, 100, 111, 97, 191, 218, 147, 42) (7, 216, 183, 222,
 74, 192, 156, 128, 184, 232, 221, 113, 179, 186, 65, 177, 165, 231, 23, 118) (9, 140, 171, 145, 48, 248, 32, 91,
 264, 175) (10, 146, 167, 21, 226) (11, 197, 75, 211, 122, 14, 239, 168, 105, 28, 152, 220, 271, 267, 92, 37, 67,
 153, 241, 19) (13, 89, 144, 206, 112, 129, 119, 190, 106, 170, 187, 76, 141, 50, 212, 81, 85, 154, 210, 172) (15,
 185, 245, 182, 43) (24, 236, 237, 80, 133, 83, 69, 101, 73, 178, 189, 134, 230, 45, 78, 225, 214, 198, 275, 34)
 (26, 87, 164, 54, 102, 139, 126, 243, 116, 49, 188, 44, 169, 107, 66, 53, 213, 35, 276, 251) ([...]).

The character table of $G^{s_{15}}$:

	10																		20
$\chi_{15}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{15}^{(2)}$	1	1	1	1	-1	-1	1	1	-1	-1	1	-1	1	-1	1	-1	1	-1	-1
$\chi_{15}^{(3)}$	1	A	A	/B	/B	A	B	/A	B	/A	B	A	/B	/A	1	1	1	/A	/B
$\chi_{15}^{(4)}$	1	A	A	/B	-/B	-A	B	/A	-B	-/A	B	-A	/B	-/A	1	-1	-1	/A	-/B
$\chi_{15}^{(5)}$	1	B	B	A	A	B	/A	/B	/A	/B	/A	B	A	/B	1	1	1	/B	A
$\chi_{15}^{(6)}$	1	B	B	A	-A	-B	/A	/B	-/A	-/B	/A	-B	A	-/B	1	-1	-1	/B	-A
$\chi_{15}^{(7)}$	1	/B	/B	/A	/A	/B	A	B	A	B	A	/B	/A	B	1	1	1	B	/A
$\chi_{15}^{(8)}$	1	/B	/B	/A	-/A	-/B	A	B	-A	-B	A	-/B	/A	-B	1	-1	-1	B	-/A
$\chi_{15}^{(9)}$	1	/A	/A	B	B	/A	/B	A	/B	A	/B	/A	B	A	1	1	1	A	B
$\chi_{15}^{(10)}$	1	/A	/A	B	-B	-/A	/B	A	-/B	-A	/B	-/A	B	-A	1	-1	-1	A	-B
$\chi_{15}^{(11)}$	1	1	-1	-1	C	C	-1	-1	C	C	1	-C	1	-C	-1	-C	C	1	-C
$\chi_{15}^{(12)}$	1	1	-1	-1	-C	-C	-1	-1	-C	-C	1	C	1	C	-1	C	-C	1	C
$\chi_{15}^{(13)}$	1	A	-A	-/B	D	E	-B	-/A	-/D	-/E	B	-E	/B	/E	-1	-C	C	/A	-D
$\chi_{15}^{(14)}$	1	A	-A	-/B	-D	-E	-B	-/A	/D	/E	B	E	/B	-/E	-1	C	-C	/A	D
$\chi_{15}^{(15)}$	1	B	-B	-A	E	-/D	-/A	-/B	-/E	D	/A	/D	A	-D	-1	-C	C	/B	-E
$\chi_{15}^{(16)}$	1	B	-B	-A	-E	/D	-/A	-/B	/E	-D	/A	-/D	A	D	-1	C	-C	/B	E
$\chi_{15}^{(17)}$	1	/B	-/B	-/A	-/E	D	-A	-B	E	-/D	A	-D	/A	/D	-1	-C	C	B	/E
$\chi_{15}^{(18)}$	1	/B	-/B	-/A	/E	-D	-A	-B	-E	/D	A	D	/A	-/D	-1	C	-C	B	-/E
$\chi_{15}^{(19)}$	1	/A	-/A	-B	-/D	-/E	-/B	-A	D	E	/B	/E	B	-E	-1	-C	C	A	/D
$\chi_{15}^{(20)}$	1	/A	-/A	-B	/D	/E	-/B	-A	-D	-E	/B	-/E	B	E	-1	C	-C	A	-/D

where $A=E(5)$; $B=E(5)^2$; $C=-E(4)=-ER(-1)=-i$; $D=-E(20)^{17}$; $E=-E(20)^9$.The generators of $G^{s_{16}}$ are:

(1, 40, 17, 61, 115, 151, 137, 29, 261, 60) (2, 132, 257, 260, 166, 173, 88, 127, 203, 163) (3, 20, 158, 8, 238, 142, 149, 159, 22, 194) (4, 111, 12, 38, 191, 181, 247, 147, 18, 155) (5, 97, 274, 143, 218, 98, 16, 42, 100, 117) (6, 63, 114, 25, 64, 223, 215, 110, 180, 242) (7, 65, 184, 183, 165, 221, 74, 23, 179, 156) (9, 48, 264, 171, 32) (10, 226, 21, 167, 146) (11, 92, 105, 75, 67, 152, 122, 241, 271, 239) (13, 212, 106, 144, 85, 187, 112, 210, 141, 119) (14, 19, 267, 168, 197, 37, 28, 211, 153, 220) (15, 43, 182, 245, 185) (24, 78, 73, 237, 214, 189, 133, 275, 230, 69) (26, 66, 116, 164, 213, 188, 102, 276, 169, 126) (27, 58, 174, 256, 96) (30, 227, 95, 240, 195, 157, 125, 176, 259, 270) (31, 79, 244, 250, 68, 36, 255, 204, 82, 56) (33, 86, 224, 94, 273, 160, 93, 123, 47, 77) (34, 45, 101, 236, 225, 178, 80, 198, 134, 83) (35, 44, 139, 251, 107, 243, 87, 53, 49, 54) (39, 136, 229, 120, 70, 266, 249, 199, 262, 246) (41, 135, 108, 269, 207, 263, 46, 138, 103, 205) (50, 190, 89, 81, 170, 206, 154, 76, 129, 172) (51, 148, 130, 161, 131) (52, 55, 208, 252, 217, 202, 196, 268, 265, 234) (57, 71, 124, 254, 59, 253, 209, 235, 90, 200) (62, 121, 233, 109, 258, 228, 193, 272, 72, 219) (84, 150, 99, 162, 104) (91, 140, 248, 175, 145) (113, 192, 118, 186, 128, 216, 177, 232, 222, 231) , (1, 3, 60, 194, 261, 22, 29, 159, 137, 149, 151, 142, 115, 238, 61, 8, 17, 158, 40, 20) (2, 70, 163, 120, 203, 229, 127, 136, 88, 39, 173, 246, 166, 262, 260, 199, 257, 249, 132, 266) (4, 14, 155, 220, 18, 153, 147, 211, 247, 28, 181, 37, 191, 197, 38, 168, 12, 267, 111, 19) (5, 255, 117, 36, 100, 68, 42, 250, 16, 244, 98, 79, 218, 31, 143, 56, 274, 82, 97, 204) (6, 74, 242, 221, 180, 165, 110, 183, 215, 184, 223, 65, 64, 7, 25, 156, 114, 179, 63, 23) (9, 264, 32, 48, 171) (10, 21, 146, 226, 167) (11, 252, 239, 208, 271, 55, 241, 52, 122, 234, 152, 265, 67, 268, 75, 196, 105, 202, 92, 217) (13, 272, 119, 193, 141, 228, 210, 258, 112, 109, 187, 233, 85, 121, 144, 62, 106, 219, 212, 72) (15, 130, 185, 148, 245, 51, 182, 131, 43, 161) (24, 254, 69, 124, 230, 71, 275, 57, 133, 200, 189, 90, 214, 235, 237, 209, 73, 253, 78, 59) (26, 101, 126, 45, 169, 34, 276, 83, 102, 134, 188, 198, 213, 80, 164, 178, 116, 225, 66, 236) (27, 174, 96, 58, 256) (30, 170, 270, 81, 259, 89, 176, 190, 125, 50, 157, 172, 195, 129, 240, 76, 95, 154, 227, 206) (33, 251, 77, 139, 47, 44, 123, 35, 93, 54, 160, 49, 273, 53, 94, 87, 224, 243, 86, 107) (41, 186, 205, 118, 103, 192, 138, 113, 46, 231, 263, 222, 207, 232, 269, 177, 108, 216, 135, 128) (84, 140,

104, 91, 162, 145, 99, 175, 150, 248) , (1, 6, 113, 151, 223, 216) (2, 227, 187, 173, 125, 13) (3, 135, 65, 142, 46, 74) (4, 271, 31, 181, 75, 36) (5, 265, 211, 98, 252, 267) (7, 238, 263, 221, 194, 41) (8, 207, 165, 22, 205, 156) (9, 248, 162) (11, 244, 147, 152, 204, 12) (14, 100, 196, 37, 143, 55) (15, 27, 51) (16, 217, 168, 97, 234, 153) (17, 114, 118, 29, 110, 232) (18, 122, 82, 38, 92, 250) (19, 117, 268, 28, 218, 208) (20, 108, 184, 149, 138, 23) (24, 160, 213, 189, 33, 126) (25, 186, 261, 180, 222, 61) (26, 78, 93, 188, 133, 86) (30, 85, 166, 157, 119, 163) (32, 140, 99) (34, 139, 235, 178, 53, 124) (35, 253, 236, 243, 57, 134) (39, 109, 154, 266, 72, 190) (40, 63, 192, 137, 215, 177) (42, 202, 197, 274, 52, 220) (43, 58, 148) (44, 209, 225, 87, 71, 83) (45, 251, 90, 80, 49, 254) (47, 276, 230, 94, 116, 237) (48, 175, 104) (50, 246, 233, 206, 70, 272) (54, 59, 101, 107, 200, 198) (56, 191, 105, 68, 155, 241) (60, 242, 231, 115, 64, 128) (62, 81, 229, 228, 129, 199) (66, 73, 123, 102, 275, 224) (67, 255, 111, 239, 79, 247) (69, 273, 164, 214, 77, 169) (76, 249, 219, 89, 136, 258) (84, 264, 145) (88, 176, 212, 132, 95, 112) (91, 150, 171) (96, 131, 185) (103, 179, 158, 269, 183, 159) (106, 257, 240, 210, 127, 259) (120, 193, 172, 262, 121, 170) (130, 182, 174) (141, 203, 270, 144, 260, 195) (161, 245, 256).

The representatives of conjugacy classes of $G^{s_{16}}$ are:

() , (1, 3, 60, 194, 261, 22, 29, 159, 137, 149, 151, 142, 115, 238, 61, 8, 17, 158, 40, 20) (2, 70, 163, 120, 203, 229, 127, 136, 88, 39, 173, 246, 166, 262, 260, 199, 257, 249, 132, 266) (4, 14, 155, 220, 18, 153, 147, 211, 247, 28, 181, 37, 191, 197, 38, 168, 12, 267, 111, 19) (5, 255, 117, 36, 100, 68, 42, 250, 16, 244, 98, 79, 218, 31, 143, 56, 274, 82, 97, 204) (6, 74, 242, 221, 180, 165, 110, 183, 215, 184, 223, 65, 64, 7, 25, 156, 114, 179, 63, 23) (9, 264, 32, 48, 171) (10, 21, 146, 226, 167) (11, 252, 239, 208, 271, 55, 241, 52, 122, 234, 152, 265, 67, 268, 75, 196, 105, 202, 92, 217) (13, 272, 119, 193, 141, 228, 210, 258, 112, 109, 187, 233, 85, 121, 144, 62, 106, 219, 212, 72) (15, 130, 185, 148, 245, 51, 182, 131, 43, 161) (24, 254, 69, 124, 230, 71, 275, 57, 133, 200, 189, 90, 214, 235, 237, 209, 73, 253, 78, 59) (26, 101, 126, 45, 169, 34, 276, 83, 102, 134, 188, 198, 213, 80, 164, 178, 116, 225, 66, 236) ([...]) , (1, 6, 113, 151, 223, 216) (2, 227, 187, 173, 125, 13) (3, 135, 65, 142, 46, 74) (4, 271, 31, 181, 75, 36) (5, 265, 211, 98, 252, 267) (7, 238, 263, 221, 194, 41) (8, 207, 165, 22, 205, 156) (9, 248, 162) (11, 244, 147, 152, 204, 12) (14, 100, 196, 37, 143, 55) (15, 27, 51) (16, 217, 168, 97, 234, 153) (17, 114, 118, 29, 110, 232) (18, 122, 82, 38, 92, 250) (19, 117, 268, 28, 218, 208) (20, 108, 184, 149, 138, 23) (24, 160, 213, 189, 33, 126) (25, 186, 261, 180, 222, 61) (26, 78, 93, 188, 133, 86) (30, 85, 166, 157, 119, 163) (32, 140, 99) (34, 139, 235, 178, 53, 124) (35, 253, 236, 243, 57, 134) (39, 109, 154, 266, 72, 190) (40, 63, 192, 137, 215, 177) (42, 202, 197, 274, 52, 220) (43, 58, 148) (44, 209, 225, 87, 71, 83) (45, 251, 90, 80, 49, 254) (47, 276, 230, 94, 116, 237) (48, 175, 104) (50, 246, 233, 206, 70, 272) (54, 59, 101, 107, 200, 198) (56, 191, 105, 68, 155, 241) (60, 242, 231, 115, 64, 128) (62, 81, 229, 228, 129, 199) ([...]) , (1, 7, 29, 23, 115, 165, 40, 65, 261, 179, 151, 221, 17, 184, 60, 156, 137, 74, 61, 183) (2, 172, 127, 154, 166, 81, 132, 50, 203, 76, 173, 170, 257, 190, 163, 129, 88, 206, 260, 89) (3, 222, 159, 216, 238, 118, 20, 231, 22, 177, 142, 186, 158, 113, 194, 232, 149, 128, 8, 192) (4, 202, 147, 208, 191, 234, 111, 196, 18, 252, 181, 52, 12, 268, 155, 217, 247, 55, 38, 265) (5, 271, 42, 152, 218, 105, 97, 239, 100, 122, 98, 75, 274, 11, 117, 241, 16, 67, 143, 92) (6, 41, 110, 138, 64, 207, 63, 135, 180, 103, 223, 263, 114, 108, 242, 205, 215, 46, 25, 269) (9, 104, 264, 150, 32, 162, 48, 84, 171, 99) (10, 226, 21, 167, 146) (13, 262, 210, 266, 85, 229, 212, 246, 141, 249, 187, 120, 106, 39, 119, 199, 112, 70, 144, 136) (14, 82, 211, 36, 197, 244, 19, 56, 153, 255, 37, 250, 267, 31, 220, 204, 28, 68, 168, 79) (15, 58, 182, 256, 185, 27, 43, 174, 245, 96) (24, 139, 275, 54, 214, 87, 78, 251, 230, 35, 189, 53, 73, 107, 69, 44, 133, 49, 237, 243) ([...]) , (1, 8, 151, 22) (2, 199, 173, 229) (3, 17, 142, 29) (4, 168, 181, 153) (5, 56, 98, 68) (6, 156, 223, 165) (7, 215, 221, 63) (11, 196, 152, 55) (12, 37, 147, 14) (13, 62, 187, 228) (15, 51) (16, 36, 97, 31) (18, 19, 38, 28) (20, 61, 149, 261) (23, 25, 184, 180) (24, 209, 189, 71) (26, 178, 188, 34) (30, 76, 157, 89) (33, 87, 160, 44) (35, 77, 243, 273) (39, 203, 266, 260) (40, 238, 137, 194) (41, 177, 263, 192) (42, 255, 274, 79) (43, 148) (45, 66, 80, 102) (46, 118, 135, 232) (47, 107, 94, 54) (49, 123, 251, 224) (50, 259, 206, 240) (52, 239, 202, 67) (53, 93, 139, 86) (57, 69, 253, 214) (59, 237, 200, 230) (60, 158, 115, 159) (64, 183, 242, 179) (65, 110, 74, 114) (70, 257, 246, 127) (72, 144, 109, 141) (73, 90, 275, 254) (75, 234, 271, 217) (78, 235, 133, 124) (81, 227, 129, 125) (82, 218, 250, 117) (83, 126, 225, 213) (84, 145) (85, 258,

119, 219) (88, 120, 132, 262) (91, 150) (92, 268, 122, 208) (95, 172, 176, 170) (99, 140) (100, 204, 143, 244)
 ([...]) , (1, 17, 115, 137, 261) (2, 257, 166, 88, 203) (3, 158, 238, 149, 22) (4, 12, 191, 247, 18) (5, 274, 218,
 16, 100) (6, 114, 64, 215, 180) (7, 184, 165, 74, 179) (8, 142, 159, 194, 20) (9, 264, 32, 48, 171) (10, 21, 146,
 226, 167) (11, 105, 67, 122, 271) (13, 106, 85, 112, 141) (14, 267, 197, 28, 153) (15, 182, 185, 43, 245) (19,
 168, 37, 211, 220) (23, 156, 65, 183, 221) (24, 73, 214, 133, 230) (25, 223, 110, 242, 63) (26, 116, 213, 102,
 169) (27, 174, 96, 58, 256) (29, 60, 40, 61, 151) (30, 95, 195, 125, 259) (31, 244, 68, 255, 82) (33, 224, 273,
 93, 47) (34, 101, 225, 80, 134) (35, 139, 107, 87, 49) (36, 204, 56, 79, 250) (38, 181, 147, 155, 111) (39, 229,
 70, 249, 262) (41, 108, 207, 46, 103) (42, 117, 97, 143, 98) (44, 251, 243, 53, 54) (45, 236, 178, 198, 83) (50,
 89, 170, 154, 129) (51, 130, 131, 148, 161) (52, 208, 217, 196, 265) (55, 252, 202, 268, 234) (57, 124, 59, 209,
 90) (62, 233, 258, 193, 72) (66, 164, 188, 276, 126) ([...]) , (1, 20, 40, 158, 17, 8, 61, 238, 115, 142, 151,
 149, 137, 159, 29, 22, 261, 194, 60, 3) (2, 266, 132, 249, 257, 199, 260, 262, 166, 246, 173, 39, 88, 136, 127,
 229, 203, 120, 163, 70) (4, 19, 111, 267, 12, 168, 38, 197, 191, 37, 181, 28, 247, 211, 147, 153, 18, 220, 155,
 14) (5, 204, 97, 82, 274, 56, 143, 31, 218, 79, 98, 244, 16, 250, 42, 68, 100, 36, 117, 255) (6, 23, 63, 179, 114,
 156, 25, 7, 64, 65, 223, 184, 215, 183, 110, 165, 180, 221, 242, 74) (9, 171, 48, 32, 264) (10, 167, 226, 146, 21)
 (11, 217, 92, 202, 105, 196, 75, 268, 67, 265, 152, 234, 122, 52, 241, 55, 271, 208, 239, 252) (13, 72, 212, 219,
 106, 62, 144, 121, 85, 233, 187, 109, 112, 258, 210, 228, 141, 193, 119, 272) (15, 161, 43, 131, 182, 51, 245,
 148, 185, 130) (24, 59, 78, 253, 73, 209, 237, 235, 214, 90, 189, 200, 133, 57, 275, 71, 230, 124, 69, 254) (26,
 236, 66, 225, 116, 178, 164, 80, 213, 198, 188, 134, 102, 83, 276, 34, 169, 45, 126, 101) ([...]) , (1, 22, 151,
 8) (2, 229, 173, 199) (3, 29, 142, 17) (4, 153, 181, 168) (5, 68, 98, 56) (6, 165, 223, 156) (7, 63, 221, 215)
 (11, 55, 152, 196) (12, 14, 147, 37) (13, 228, 187, 62) (15, 51) (16, 31, 97, 36) (18, 28, 38, 19) (20, 261, 149,
 61) (23, 180, 184, 25) (24, 71, 189, 209) (26, 34, 188, 178) (30, 89, 157, 76) (33, 44, 160, 87) (35, 273, 243,
 77) (39, 260, 266, 203) (40, 194, 137, 238) (41, 192, 263, 177) (42, 79, 274, 255) (43, 148) (45, 102, 80, 66)
 (46, 232, 135, 118) (47, 54, 94, 107) (49, 224, 251, 123) (50, 240, 206, 259) (52, 67, 202, 239) (53, 86, 139,
 93) (57, 214, 253, 69) (59, 230, 200, 237) (60, 159, 115, 158) (64, 179, 242, 183) (65, 114, 74, 110) (70, 127,
 246, 257) (72, 141, 109, 144) (73, 254, 275, 90) (75, 217, 271, 234) (78, 124, 133, 235) (81, 125, 129, 227)
 (82, 117, 250, 218) (83, 213, 225, 126) (84, 145) (85, 219, 119, 258) (88, 262, 132, 120) (91, 150) (92, 208,
 122, 268) (95, 170, 176, 172) (99, 140) (100, 244, 143, 204) ([...]) , (1, 23, 40, 179, 17, 156, 61, 7, 115, 65,
 151, 184, 137, 183, 29, 165, 261, 221, 60, 74) (2, 154, 132, 76, 257, 129, 260, 172, 166, 50, 173, 190, 88, 89,
 127, 81, 203, 170, 163, 206) (3, 216, 20, 177, 158, 232, 8, 222, 238, 231, 142, 113, 149, 192, 159, 118, 22, 186,
 194, 128) (4, 208, 111, 252, 12, 217, 38, 202, 191, 196, 181, 268, 247, 265, 147, 234, 18, 52, 155, 55) (5, 152,
 97, 122, 274, 241, 143, 271, 218, 239, 98, 11, 16, 92, 42, 105, 100, 75, 117, 67) (6, 138, 63, 103, 114, 205, 25,
 41, 64, 135, 223, 108, 215, 269, 110, 207, 180, 263, 242, 46) (9, 150, 48, 99, 264, 162, 171, 104, 32, 84) (10,
 167, 226, 146, 21) (13, 266, 212, 249, 106, 199, 144, 262, 85, 246, 187, 39, 112, 136, 210, 229, 141, 120, 119,
 70) (14, 36, 19, 255, 267, 204, 168, 82, 197, 56, 37, 31, 28, 79, 211, 244, 153, 250, 220, 68) (15, 256, 43, 96,
 182, 27, 245, 58, 185, 174) (24, 54, 78, 35, 73, 44, 237, 139, 214, 251, 189, 107, 133, 243, 275, 87, 230, 53, 69,
 49) ([...]) , (1, 25, 177, 115, 110, 113, 261, 63, 128, 17, 223, 222, 137, 242, 118) (2, 195, 212, 166, 259, 187,
 203, 95, 119, 257, 125, 144, 88, 30, 210) (3, 207, 23, 238, 103, 65, 22, 108, 221, 158, 46, 156, 149, 41, 183) (4,
 92, 255, 191, 152, 31, 18, 239, 68, 12, 75, 82, 247, 241, 244) (5, 55, 168, 218, 202, 211, 100, 234, 19, 274, 252,
 37, 16, 268, 220) (6, 186, 40, 64, 232, 151, 180, 192, 60, 114, 216, 61, 215, 231, 29) (7, 159, 135, 165, 20, 263,
 179, 142, 205, 184, 194, 269, 74, 8, 138) (9, 91, 104, 32, 145, 162, 171, 175, 99, 264, 248, 150, 48, 140, 84)
 (10, 167, 226, 146, 21) (11, 36, 38, 67, 56, 147, 271, 250, 111, 105, 204, 181, 122, 79, 155) (13, 260, 176, 85,
 127, 227, 141, 132, 157, 106, 173, 270, 112, 163, 240) (14, 97, 208, 197, 98, 196, 153, 117, 52, 267, 143, 217,
 28, 42, 265) (15, 256, 148, 185, 174, 51, 245, 58, 131, 182, 27, 161, 43, 96, 130) (24, 47, 26, 214, 224, 213,
 230, 93, 169, 73, 33, 116, 133, 273, 102) ([...]) , (1, 29, 115, 40, 261, 151, 17, 60, 137, 61) (2, 127, 166, 132,
 203, 173, 257, 163, 88, 260) (3, 159, 238, 20, 22, 142, 158, 194, 149, 8) (4, 147, 191, 111, 18, 181, 12, 155,
 247, 38) (5, 42, 218, 97, 100, 98, 274, 117, 16, 143) (6, 110, 64, 63, 180, 223, 114, 242, 215, 25) (7, 23, 165,
 65, 179, 221, 184, 156, 74, 183) (9, 264, 32, 48, 171) (10, 21, 146, 226, 167) (11, 241, 67, 92, 271, 152, 105,

239, 122, 75) (13, 210, 85, 212, 141, 187, 106, 119, 112, 144) (14, 211, 197, 19, 153, 37, 267, 220, 28, 168)
 (15, 182, 185, 43, 245) (24, 275, 214, 78, 230, 189, 73, 69, 133, 237) (26, 276, 213, 66, 169, 188, 116, 126,
 102, 164) (27, 174, 96, 58, 256) (30, 176, 195, 227, 259, 157, 95, 270, 125, 240) (31, 204, 68, 79, 82, 36, 244,
 56, 255, 250) (33, 123, 273, 86, 47, 160, 224, 77, 93, 94) (34, 198, 225, 45, 134, 178, 101, 83, 80, 236) (35,
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 188, 224, 237, 169, 160, 133, 66, 47, 69, 213, 86, 73, 276, 273, 189, 26, 123, 230, 164, 33, 78, 102, 94, 214,
 126, 93, 275, 116, 77) ([...]) , (1, 261, 137, 115, 17) (2, 203, 88, 166, 257) (3, 22, 149, 238, 158) (4, 18, 247,
 191, 12) (5, 100, 16, 218, 274) (6, 180, 215, 64, 114) (7, 179, 74, 165, 184) (8, 20, 194, 159, 142) (9, 171, 48,
 32, 264) (10, 167, 226, 146, 21) (11, 271, 122, 67, 105) (13, 141, 112, 85, 106) (14, 153, 28, 197, 267) (15,
 245, 43, 185, 182) (19, 220, 211, 37, 168) (23, 221, 183, 65, 156) (24, 230, 133, 214, 73) (25, 63, 242, 110,
 223) (26, 169, 102, 213, 116) (27, 256, 58, 96, 174) (29, 151, 61, 40, 60) (30, 259, 125, 195, 95) (31, 82, 255,
 68, 244) (33, 47, 93, 273, 224) (34, 134, 80, 225, 101) (35, 49, 87, 107, 139) (36, 250, 79, 56, 204) (38, 111,
 155, 147, 181) (39, 262, 249, 70, 229) (41, 103, 46, 207, 108) (42, 98, 143, 97, 117) (44, 54, 53, 243, 251) (45,
 83, 198, 178, 236) (50, 129, 154, 170, 89) (51, 161, 148, 131, 130) (52, 265, 196, 217, 208) (55, 234, 268, 202,

252) (57, 90, 209, 59, 124) (62, 72, 193, 258, 233) (66, 126, 276, 188, 164) ([...]). The character table of $G^{s_{16}}$:

	10																			20
$\chi_{16}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{16}^{(2)}$	1	-1	1	-1	-1	1	-1	-1	-1	1	1	1	-1	1	1	1	1	-1	-1	1
$\chi_{16}^{(3)}$	1	A	-1	-A	-A	1	-A	A	A	1	-1	-1	A	-1	-1	1	-1	-A	A	1
$\chi_{16}^{(4)}$	1	-A	-1	A	A	1	A	-A	-A	1	-1	-1	-A	-1	-1	1	-1	A	-A	1
$\chi_{16}^{(5)}$	1	B	1	/C	-1	-B	/B	-1	/B	-/B	-B	-/C	/C	-C	-/B	-/C	-C	B	C	-B
$\chi_{16}^{(6)}$	1	C	1	B	-1	-C	/C	-1	/C	-/C	-C	-B	B	-/B	-/C	-B	-/B	C	/B	-C
$\chi_{16}^{(7)}$	1	/C	1	/B	-1	-/C	C	-1	C	-C	-/C	-/B	/B	-B	-C	-/B	-B	/C	B	-/C
$\chi_{16}^{(8)}$	1	/B	1	C	-1	-/B	B	-1	B	-B	-/B	-C	C	-/C	-B	-C	-/C	/B	/C	-/B
$\chi_{16}^{(9)}$	1	-/B	1	-C	1	-/B	-B	1	-B	-B	-/B	-C	-C	-/C	-B	-C	-/C	-/B	-/C	-/B
$\chi_{16}^{(10)}$	1	-/C	1	-/B	1	-/C	-C	1	-C	-C	-/C	-/B	-/B	-B	-C	-/B	-B	-/C	-B	-/C
$\chi_{16}^{(11)}$	1	-C	1	-B	1	-C	-/C	1	-/C	-/C	-C	-B	-B	-/B	-/C	-B	-/B	-C	-/B	-C
$\chi_{16}^{(12)}$	1	-B	1	-/C	1	-B	-/B	1	-/B	-/B	-B	-/C	-/C	-C	-/B	-/C	-C	-B	-C	-B
$\chi_{16}^{(13)}$	1	D	-1	-E	-A	-/B	/D	A	-/D	-B	/B	C	E	/C	B	-C	/C	-D	-/E	-/B
$\chi_{16}^{(14)}$	1	-/D	-1	/E	-A	-B	-D	A	D	-/B	B	/C	-/E	C	/B	-/C	C	/D	E	-B
$\chi_{16}^{(15)}$	1	E	-1	/D	-A	-C	/E	A	-/E	-/C	C	B	-/D	/B	/C	-B	/B	-E	D	-C
$\chi_{16}^{(16)}$	1	-/E	-1	-D	-A	-/C	-E	A	E	-C	/C	/B	D	B	C	-/B	B	/E	-/D	-/C
$\chi_{16}^{(17)}$	1	/E	-1	D	A	-/C	E	-A	-E	-C	/C	/B	-D	B	C	-/B	B	-/E	/D	-/C
$\chi_{16}^{(18)}$	1	-E	-1	-/D	A	-C	-/E	-A	/E	-/C	C	B	/D	/B	/C	-B	/B	E	-D	-C
$\chi_{16}^{(19)}$	1	/D	-1	-/E	A	-B	D	-A	-D	-/B	B	/C	/E	C	/B	-/C	C	-/D	-E	-B
$\chi_{16}^{(20)}$	1	-D	-1	E	A	-/B	-/D	-A	/D	-B	/B	C	-E	/C	B	-C	/C	D	/E	-/B
$\chi_{16}^{(21)}$	2	.	1	.	.	2	.	.	.	-1	-2	-2	.	-2	-2	-1	1	.	.	-1
$\chi_{16}^{(22)}$	2	.	-1	.	.	2	.	.	.	-1	2	2	.	2	2	-1	-1	.	.	-1
$\chi_{16}^{(23)}$	2	.	1	.	.	F	.	.	.	B	-F	-/G	.	-G	-/F	C	-/C	.	.	/B
$\chi_{16}^{(24)}$	2	.	1	.	.	G	.	.	.	C	-G	-F	.	-/F	-/G	/B	-B	.	.	/C
$\chi_{16}^{(25)}$	2	.	1	.	.	/G	.	.	.	/C	-/G	-/F	.	-F	-G	B	-/B	.	.	C
$\chi_{16}^{(26)}$	2	.	1	.	.	/F	.	.	.	/B	-/F	-G	.	-/G	-F	/C	-C	.	.	B
$\chi_{16}^{(27)}$	2	.	-1	.	.	F	.	.	.	B	F	/G	.	G	/F	C	/C	.	.	/B
$\chi_{16}^{(28)}$	2	.	-1	.	.	G	.	.	.	C	G	F	.	/F	/G	/B	B	.	.	/C
$\chi_{16}^{(29)}$	2	.	-1	.	.	/G	.	.	.	/C	/G	/F	.	F	G	B	/B	.	.	C
$\chi_{16}^{(30)}$	2	.	-1	.	.	/F	.	.	.	/B	/F	G	.	/G	F	/C	C	.	.	B

	30									
$\chi_{16}^{(1)}$	1	1	1	1	1	1	1	1	1	1
$\chi_{16}^{(2)}$	1	1	1	1	1	1	-1	1	1	1
$\chi_{16}^{(3)}$	1	-1	1	1	1	-1	-A	-1	-1	1
$\chi_{16}^{(4)}$	1	-1	1	1	1	-1	A	-1	-1	1
$\chi_{16}^{(5)}$	1	-B	-C	-C	-/C	1	C	-/B	-/C	-/B
$\chi_{16}^{(6)}$	1	-C	-/B	-/B	-B	1	/B	-/C	-B	-/C
$\chi_{16}^{(7)}$	1	-/C	-B	-B	-/B	1	B	-C	-/B	-C
$\chi_{16}^{(8)}$	1	-/B	-/C	-/C	-C	1	/C	-B	-C	-B
$\chi_{16}^{(9)}$	1	-/B	-/C	-/C	-C	1	-/C	-B	-C	-B
$\chi_{16}^{(10)}$	1	-/C	-B	-B	-/B	1	-B	-C	-/B	-C
$\chi_{16}^{(11)}$	1	-C	-/B	-/B	-B	1	-/B	-/C	-B	-/C
$\chi_{16}^{(12)}$	1	-B	-C	-C	-/C	1	-C	-/B	-/C	-/B
$\chi_{16}^{(13)}$	1	/B	-/C	-/C	-C	-1	/E	B	C	-B
$\chi_{16}^{(14)}$	1	B	-C	-C	-/C	-1	-E	/B	/C	-/B
$\chi_{16}^{(15)}$	1	C	-/B	-/B	-B	-1	-D	/C	B	-/C
$\chi_{16}^{(16)}$	1	/C	-B	-B	-/B	-1	/D	C	/B	-C
$\chi_{16}^{(17)}$	1	/C	-B	-B	-/B	-1	-/D	C	/B	-C
$\chi_{16}^{(18)}$	1	C	-/B	-/B	-B	-1	D	/C	B	-/C
$\chi_{16}^{(19)}$	1	B	-C	-C	-/C	-1	E	/B	/C	-/B
$\chi_{16}^{(20)}$	1	/B	-/C	-/C	-C	-1	-/E	B	C	-B
$\chi_{16}^{(21)}$	-1	1	2	-1	2	-2	.	1	1	2
$\chi_{16}^{(22)}$	-1	-1	2	-1	2	2	.	-1	-1	2
$\chi_{16}^{(23)}$	-1	-/B	G	/C	/G	-2	.	-B	-C	/F
$\chi_{16}^{(24)}$	-1	-/C	/F	B	F	-2	.	-C	-/B	/G
$\chi_{16}^{(25)}$	-1	-C	F	/B	/F	-2	.	-/C	-B	G
$\chi_{16}^{(26)}$	-1	-B	/G	C	G	-2	.	-/B	-/C	F
$\chi_{16}^{(27)}$	-1	/B	G	/C	/G	2	.	B	C	/F
$\chi_{16}^{(28)}$	-1	/C	/F	B	F	2	.	C	/B	/G
$\chi_{16}^{(29)}$	-1	C	F	/B	/F	2	.	/C	B	G
$\chi_{16}^{(30)}$	-1	B	/G	C	G	2	.	/B	/C	F

where $A=-E(4)=-ER(-1)=-i$; $B=-E(5)$; $C=-E(5)^2$; $D=-E(20)$; $E=-E(20)^{13}$; $F=2^*E(5)^4$; $G=2^*E(5)^3$.

The generators of $G^{s_{17}}$ are:

(1, 17, 115, 137, 261) (2, 257, 166, 88, 203) (3, 158, 238, 149, 22) (4, 12, 191, 247, 18) (5, 274, 218, 16, 100) (6, 114, 64, 215, 180) (7, 184, 165, 74, 179) (8, 142, 159, 194, 20) (9, 264, 32, 48, 171) (10, 21, 146, 226, 167) (11, 105, 67, 122, 271) (13, 106, 85, 112, 141) (14, 267, 197, 28, 153) (15, 182, 185, 43, 245) (19, 168, 37, 211, 220) (23, 156, 65, 183, 221) (24, 73, 214, 133, 230) (25, 223, 110, 242, 63) (26, 116, 213, 102, 169) (27, 174, 96, 58, 256) (29, 60, 40, 61, 151) (30, 95, 195, 125, 259) (31, 244, 68, 255, 82) (33, 224, 273, 93, 47) (34, 101, 225, 80, 134) (35, 139, 107, 87, 49) (36, 204, 56, 79, 250) (38, 181, 147, 155, 111) (39, 229, 70, 249, 262) (41, 108, 207, 46, 103) (42, 117, 97, 143, 98) (44, 251, 243, 53, 54) (45, 236, 178, 198, 83) (50, 89, 170, 154, 129) (51, 130, 131, 148, 161) (52, 208, 217, 196, 265) (55, 252, 202, 268, 234) (57, 124, 59, 209, 90) (62, 233, 258, 193, 72) (66, 164, 188, 276, 126) (69, 78, 237, 189, 275) (71, 254, 253, 235, 200) (75, 152, 241, 239, 92) (76, 172, 190, 81, 206) (77, 86, 94, 160, 123) (84, 99, 104, 150, 162) (91, 248, 145, 140, 175) (109, 228, 272, 219, 121) (113, 118, 128, 177, 222) (119, 212, 144, 187, 210) (120, 266, 199, 246, 136) (127, 163, 132, 260, 173) (135, 269, 263, 138, 205) (157, 176, 270, 227, 240) (186, 216, 232, 231, 192) , (2, 8, 176, 193, 151, 228) (3, 76, 192, 146, 180, 262) (4, 27, 92, 265, 56, 267) (5, 168,

130, 68, 245, 268) (6, 39, 158, 172, 186, 226) (7, 110, 128, 205, 210, 13) (9, 236, 200) (10, 64, 70, 149, 81, 232) (11, 38, 97) (12, 174, 75, 52, 79, 197) (14, 18, 256, 239, 196, 204) (15, 234, 274, 37, 131, 255) (16, 220, 161, 31, 185, 252) (19, 51, 244, 43, 202, 100) (20, 157, 258, 61, 109, 203) (21, 215, 249, 22, 206, 231) (23, 103, 129, 127, 95, 266) (24, 126, 86, 34, 57, 273) (25, 113, 263, 144, 112, 74) (26, 107, 104, 145, 251, 69) (28, 191, 96, 152, 208, 250) (29, 272, 257, 142, 270, 72) (30, 120, 221, 46, 154, 173) (32, 198, 254) (33, 133, 188, 123, 80, 209) (35, 84, 91, 54, 189, 102) (36, 153, 247, 58, 241, 217) (40, 121, 88, 194, 240, 233) (41, 50, 163, 195, 199, 156) (42, 122, 155) (44, 275, 169, 139, 99, 248) (45, 235, 171) (47, 214, 164, 160, 225, 59) (48, 83, 253) (49, 162, 175, 53, 237, 213) (55, 218, 211, 148, 82, 182) (60, 219, 166, 159, 227, 62) (63, 222, 269, 212, 85, 165) (65, 108, 89, 132, 125, 246) (66, 94, 101, 124, 93, 73) (67, 147, 98) (71, 264, 178) (77, 134, 90, 224, 230, 276) (78, 116, 87, 150, 140, 243) (105, 181, 143) (106, 184, 242, 177, 135, 119) (111, 117, 271) (114, 229, 238, 190, 216, 167) (118, 138, 187, 141, 179, 223) (136, 183, 207, 170, 260, 259) , (2, 21, 193, 22) (3, 257, 146, 72) (4, 5, 265, 68) (6, 227, 172, 219) (7, 195, 205, 41) (8, 231, 151, 249) (9, 200) (10, 258, 149, 203) (12, 274, 52, 255) (13, 199, 128, 50) (14, 19, 239, 43) (15, 197, 37, 75) (16, 217, 31, 247) (18, 100, 196, 244) (20, 232, 61, 70) (23, 223, 127, 187) (24, 104, 34, 69) (25, 173, 144, 221) (26, 273, 145, 86) (27, 268, 56, 130) (28, 211, 152, 182) (29, 262, 142, 192) (30, 263, 46, 74) (32, 254) (33, 91, 123, 102) (35, 209, 54, 188) (36, 161, 58, 252) (38, 97) (39, 159, 186, 60) (40, 229, 194, 216) (42, 155) (44, 276, 139, 90) (47, 175, 160, 213) (48, 253) (49, 59, 53, 164) (51, 256, 202, 204) (55, 250, 148, 96) (57, 251, 126, 107) (62, 158, 166, 226) (63, 260, 212, 183) (64, 157, 81, 109) (65, 242, 132, 119) (66, 87, 124, 243) (71, 264) (73, 150, 101, 78) (76, 272, 180, 270) (77, 169, 224, 248) (79, 131, 174, 234) (80, 189, 133, 84) (82, 191, 218, 208) (85, 136, 222, 170) (88, 167, 233, 238) (89, 106, 246, 177) (92, 245, 267, 168) (93, 140, 94, 116) (95, 138, 103, 179) (98, 147) (99, 134, 275, 230) (108, 184, 125, 135) (110, 163, 210, 156) (111, 117) (112, 120, 113, 154) (114, 240, 190, 121) (118, 129, 141, 266) (143, 181) (153, 220, 241, 185) (162, 225, 237, 214) (165, 259, 269, 207) (171, 235) (176, 206, 228, 215) , (1, 2) (3, 263) (4, 268) (6, 212) (7, 242) (8, 219) (9, 224) (10, 95) (11, 239) (12, 234) (13, 260) (14, 211) (17, 257) (18, 202) (19, 197) (20, 272) (21, 195) (22, 269) (23, 151) (24, 83) (25, 165) (26, 175) (27, 82) (28, 168) (29, 156) (30, 167) (31, 174) (32, 93) (33, 171) (34, 162) (35, 86) (36, 143) (37, 153) (38, 161) (40, 183) (41, 190) (42, 56) (45, 73) (46, 76) (47, 48) (49, 77) (50, 222) (51, 181) (55, 191) (57, 66) (58, 68) (59, 188) (60, 65) (61, 221) (62, 186) (63, 184) (64, 187) (67, 75) (72, 192) (74, 223) (79, 117) (80, 104) (81, 108) (84, 101) (85, 127) (87, 123) (88, 137) (89, 113) (90, 126) (91, 116) (92, 105) (94, 139) (96, 244) (97, 250) (98, 204) (99, 225) (102, 145) (103, 172) (106, 173) (107, 160) (109, 159) (110, 179) (111, 148) (112, 163) (114, 144) (115, 166) (118, 170) (119, 180) (120, 176) (121, 142) (122, 152) (124, 164) (125, 146) (128, 154) (129, 177) (130, 147) (131, 155) (132, 141) (133, 178) (134, 150) (135, 149) (136, 157) (138, 158) (140, 169) (193, 231) (194, 228) (198, 230) (199, 227) (203, 261) (205, 238) (206, 207) (209, 276) (210, 215) (213, 248) (214, 236) (216, 233) (220, 267) (226, 259) (232, 258) (240, 246) (241, 271) (247, 252) (255, 256) (264, 273) (266, 270).

The representatives of conjugacy classes of $G^{s_{17}}$ are:

() , (1, 17, 115, 137, 261) (2, 257, 166, 88, 203) (3, 158, 238, 149, 22) (4, 12, 191, 247, 18) (5, 274, 218, 16, 100) (6, 114, 64, 215, 180) (7, 184, 165, 74, 179) (8, 142, 159, 194, 20) (9, 264, 32, 48, 171) (10, 21, 146, 226, 167) (11, 105, 67, 122, 271) (13, 106, 85, 112, 141) (14, 267, 197, 28, 153) (15, 182, 185, 43, 245) (19, 168, 37, 211, 220) (23, 156, 65, 183, 221) (24, 73, 214, 133, 230) (25, 223, 110, 242, 63) (26, 116, 213, 102, 169) (27, 174, 96, 58, 256) (29, 60, 40, 61, 151) (30, 95, 195, 125, 259) (31, 244, 68, 255, 82) (33, 224, 273, 93, 47) (34, 101, 225, 80, 134) (35, 139, 107, 87, 49) (36, 204, 56, 79, 250) (38, 181, 147, 155, 111) (39, 229, 70, 249, 262) (41, 108, 207, 46, 103) (42, 117, 97, 143, 98) (44, 251, 243, 53, 54) (45, 236, 178, 198, 83) (50, 89, 170, 154, 129) (51, 130, 131, 148, 161) (52, 208, 217, 196, 265) (55, 252, 202, 268, 234) (57, 124, 59, 209, 90) (62, 233, 258, 193, 72) (66, 164, 188, 276, 126) ([...]) , (1, 115, 261, 17, 137) (2, 166, 203, 257, 88) (3, 238, 22, 158, 149) (4, 191, 18, 12, 247) (5, 218, 100, 274, 16) (6, 64, 180, 114, 215) (7, 165, 179, 184, 74) (8, 159, 20, 142, 194) (9, 32, 171, 264, 48) (10, 146, 167, 21, 226) (11, 67, 271, 105, 122) (13, 85, 141, 106, 112) (14, 197,

153, 267, 28) (15, 185, 245, 182, 43) (19, 37, 220, 168, 211) (23, 65, 221, 156, 183) (24, 214, 230, 73, 133)
 (25, 110, 63, 223, 242) (26, 213, 169, 116, 102) (27, 96, 256, 174, 58) (29, 40, 151, 60, 61) (30, 195, 259, 95,
 125) (31, 68, 82, 244, 255) (33, 273, 47, 224, 93) (34, 225, 134, 101, 80) (35, 107, 49, 139, 87) (36, 56, 250,
 204, 79) (38, 147, 111, 181, 155) (39, 70, 262, 229, 249) (41, 207, 103, 108, 46) (42, 97, 98, 117, 143) (44,
 243, 54, 251, 53) (45, 178, 83, 236, 198) (50, 170, 129, 89, 154) (51, 131, 161, 130, 148) (52, 217, 265, 208,
 196) (55, 202, 234, 252, 268) (57, 59, 90, 124, 209) (62, 258, 72, 233, 193) (66, 188, 126, 164, 276) ([...]) ,
 (1, 261, 137, 115, 17) (2, 203, 88, 166, 257) (3, 22, 149, 238, 158) (4, 18, 247, 191, 12) (5, 100, 16, 218, 274)
 (6, 180, 215, 64, 114) (7, 179, 74, 165, 184) (8, 20, 194, 159, 142) (9, 171, 48, 32, 264) (10, 167, 226, 146, 21)
 (11, 271, 122, 67, 105) (13, 141, 112, 85, 106) (14, 153, 28, 197, 267) (15, 245, 43, 185, 182) (19, 220, 211,
 37, 168) (23, 221, 183, 65, 156) (24, 230, 133, 214, 73) (25, 63, 242, 110, 223) (26, 169, 102, 213, 116) (27,
 256, 58, 96, 174) (29, 151, 61, 40, 60) (30, 259, 125, 195, 95) (31, 82, 255, 68, 244) (33, 47, 93, 273, 224) (34,
 134, 80, 225, 101) (35, 49, 87, 107, 139) (36, 250, 79, 56, 204) (38, 111, 155, 147, 181) (39, 262, 249, 70, 229)
 (41, 103, 46, 207, 108) (42, 98, 143, 97, 117) (44, 54, 53, 243, 251) (45, 83, 198, 178, 236) (50, 129, 154, 170,
 89) (51, 161, 148, 131, 130) (52, 265, 196, 217, 208) (55, 234, 268, 202, 252) (57, 90, 209, 59, 124) (62, 72,
 193, 258, 233) (66, 126, 276, 188, 164) ([...]) , (1, 137, 17, 261, 115) (2, 88, 257, 203, 166) (3, 149, 158, 22,
 238) (4, 247, 12, 18, 191) (5, 16, 274, 100, 218) (6, 215, 114, 180, 64) (7, 74, 184, 179, 165) (8, 194, 142, 20,
 159) (9, 48, 264, 171, 32) (10, 226, 21, 167, 146) (11, 122, 105, 271, 67) (13, 112, 106, 141, 85) (14, 28, 267,
 153, 197) (15, 43, 182, 245, 185) (19, 211, 168, 220, 37) (23, 183, 156, 221, 65) (24, 133, 73, 230, 214) (25,
 242, 223, 63, 110) (26, 102, 116, 169, 213) (27, 58, 174, 256, 96) (29, 61, 60, 151, 40) (30, 125, 95, 259, 195)
 (31, 255, 244, 82, 68) (33, 93, 224, 47, 273) (34, 80, 101, 134, 225) (35, 87, 139, 49, 107) (36, 79, 204, 250,
 56) (38, 155, 181, 111, 147) (39, 249, 229, 262, 70) (41, 46, 108, 103, 207) (42, 143, 117, 98, 97) (44, 53, 251,
 54, 243) (45, 198, 236, 83, 178) (50, 154, 89, 129, 170) (51, 148, 130, 161, 131) (52, 196, 208, 265, 217) (55,
 268, 252, 234, 202) (57, 209, 124, 90, 59) (62, 193, 233, 72, 258) (66, 276, 164, 126, 188) ([...]) , (1, 81,
 240, 219, 180) (2, 119, 8, 246, 108) (3, 141, 132, 263, 70) (4, 196, 268, 38, 161) (5, 79, 27, 82, 117) (6, 17,
 206, 157, 121) (7, 65, 222, 226, 216) (9, 35, 86, 224, 251) (10, 231, 165, 221, 118) (11, 28, 15, 168, 239) (12,
 265, 234, 181, 51) (13, 260, 138, 249, 158) (14, 185, 211, 75, 67) (16, 204, 58, 68, 98) (18, 217, 202, 111, 148)
 (19, 241, 271, 197, 245) (20, 199, 41, 203, 210) (21, 192, 74, 23, 128) (22, 112, 163, 269, 229) (24, 73, 214,
 133, 230) (25, 193, 95, 170, 61) (26, 66, 57, 175, 235) (29, 110, 62, 125, 129) (30, 89, 40, 63, 258) (31, 97,
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 (13, 246, 222, 154, 141, 199, 177, 170, 112, 266, 128, 89, 85, 120, 118, 50, 106, 136, 113, 129) (14, 168, 75,
 182, 153, 19, 92, 15, 28, 220, 239, 245, 197, 211, 241, 43, 267, 37, 152, 185) (23, 110, 132, 212, 221, 223, 163,
 119, 183, 25, 127, 210, 65, 63, 173, 187, 156, 242, 260, 144) (24, 150, 225, 189, 230, 104, 101, 237, 133, 99,
 34, 78, 214, 84, 134, 69, 73, 162, 80, 275) ([...]) , (1, 115, 261, 17, 137) (2, 226, 258, 3, 88, 21, 62, 149, 257,
 167, 193, 158, 203, 146, 233, 22, 166, 10, 72, 238) (4, 218, 196, 255, 247, 5, 208, 244, 12, 16, 265, 82, 18, 274,

217, 68, 191, 100, 52, 31) (6, 157, 76, 121, 215, 227, 81, 272, 114, 176, 172, 109, 180, 240, 206, 219, 64, 270, 190, 228) (7, 259, 138, 108, 74, 195, 269, 103, 184, 30, 205, 207, 179, 125, 263, 41, 165, 95, 135, 46) (8, 186, 61, 262, 194, 231, 60, 70, 142, 216, 151, 39, 20, 192, 40, 249, 159, 232, 29, 229) (9, 254, 171, 71, 48, 200, 32, 235, 264, 253) (11, 67, 271, 105, 122) (13, 136, 118, 89, 112, 199, 222, 129, 106, 120, 128, 170, 141, 246, 113, 50, 85, 266, 177, 154) (14, 37, 241, 245, 28, 19, 75, 185, 267, 211, 239, 15, 153, 168, 152, 43, 197, 220, 92, 182) (23, 242, 173, 210, 183, 223, 132, 144, 156, 63, 127, 119, 221, 110, 260, 187, 65, 25, 163, 212) (24, 162, 134, 78, 133, 104, 225, 275, 73, 84, 34, 237, 230, 150, 80, 69, 214, 99, 101, 189) ([...]) , (1, 261, 137, 115, 17) (2, 10, 233, 158, 257, 21, 258, 238, 166, 146, 193, 149, 88, 226, 72, 22, 203, 167, 62, 3) (4, 100, 217, 82, 12, 5, 196, 31, 191, 274, 265, 244, 247, 218, 52, 68, 18, 16, 208, 255) (6, 270, 206, 109, 114, 227, 76, 228, 64, 240, 172, 272, 215, 157, 190, 219, 180, 176, 81, 121) (7, 95, 263, 207, 184, 195, 138, 46, 165, 125, 205, 103, 74, 259, 135, 41, 179, 30, 269, 108) (8, 232, 40, 39, 142, 231, 61, 229, 159, 192, 151, 70, 194, 186, 29, 249, 20, 216, 60, 262) (9, 235, 48, 254, 264, 200, 171, 253, 32, 71) (11, 271, 122, 67, 105) (13, 266, 113, 170, 106, 199, 118, 154, 85, 246, 128, 129, 112, 136, 177, 50, 141, 120, 222, 89) (14, 220, 152, 15, 267, 19, 241, 182, 197, 168, 239, 185, 28, 37, 92, 43, 153, 211, 75, 245) (23, 25, 260, 119, 156, 223, 173, 212, 65, 110, 127, 144, 183, 242, 163, 187, 221, 63, 132, 210) (24, 99, 80, 237, 73, 104, 134, 189, 214, 150, 34, 275, 133, 162, 101, 69, 230, 84, 225, 78) ([...]) , (1, 137, 17, 261, 115) (2, 167, 72, 149, 166, 21, 233, 3, 203, 226, 193, 238, 257, 10, 62, 22, 88, 146, 258, 158) (4, 16, 52, 244, 191, 5, 217, 255, 18, 218, 265, 31, 12, 100, 208, 68, 247, 274, 196, 82) (6, 176, 190, 272, 64, 227, 206, 121, 180, 157, 172, 228, 114, 270, 81, 219, 215, 240, 76, 109) (7, 30, 135, 103, 165, 195, 263, 108, 179, 259, 205, 46, 184, 95, 269, 41, 74, 125, 138, 207) (8, 216, 29, 70, 159, 231, 40, 262, 20, 186, 151, 229, 142, 232, 60, 249, 194, 192, 61, 39) (9, 253, 264, 235, 32, 200, 48, 71, 171, 254) (11, 122, 105, 271, 67) (13, 120, 177, 129, 85, 199, 113, 89, 141, 136, 128, 154, 106, 266, 222, 50, 112, 246, 118, 170) (14, 211, 92, 185, 197, 19, 152, 245, 153, 37, 239, 182, 267, 220, 75, 43, 28, 168, 241, 15) (23, 63, 163, 144, 65, 223, 260, 210, 221, 242, 127, 212, 156, 25, 132, 187, 183, 110, 173, 119) (24, 84, 101, 275, 214, 104, 80, 78, 230, 162, 34, 189, 73, 99, 225, 69, 133, 150, 134, 237) ([...]) , (2, 215, 193, 206) (3, 142, 146, 29) (4, 168, 265, 245) (5, 56, 68, 27) (6, 62, 172, 166) (7, 199, 205, 50) (8, 21, 151, 22) (10, 61, 149, 20) (11, 38) (12, 37, 52, 15) (13, 156, 128, 163) (14, 51, 239, 202) (16, 36, 31, 58) (18, 19, 196, 43) (23, 118, 127, 141) (24, 145, 34, 26) (25, 30, 144, 46) (28, 148, 152, 55) (33, 54, 123, 35) (39, 227, 186, 219) (40, 238, 194, 167) (41, 110, 195, 210) (44, 77, 139, 224) (45, 235) (47, 53, 160, 49) (57, 69, 126, 104) (59, 237, 164, 162) (60, 158, 159, 226) (63, 259, 212, 207) (64, 258, 81, 203) (65, 177, 132, 106) (66, 150, 124, 78) (67, 147) (70, 157, 232, 109) (71, 178) (72, 76, 257, 180) (73, 140, 101, 116) (74, 120, 263, 154) (75, 234, 197, 131) (79, 255, 174, 274) (80, 102, 133, 91) (82, 96, 218, 250) (83, 253) (84, 209, 189, 188) (85, 183, 222, 260) (86, 107, 273, 251) (87, 93, 243, 94) (88, 114, 233, 190) (89, 184, 246, 135) (90, 275, 276, 99) (92, 268, 267, 130) (95, 187, 103, 223) (100, 204, 244, 256) ([...]) , (1, 17, 115, 137, 261) (2, 180, 62, 190, 203, 215, 72, 172, 88, 64, 193, 76, 166, 114, 258, 206, 257, 6, 233, 81) (3, 159, 167, 61, 22, 142, 226, 40, 149, 8, 146, 60, 238, 20, 21, 29, 158, 194, 10, 151) (4, 37, 208, 185, 18, 168, 52, 182, 247, 19, 265, 15, 191, 220, 196, 245, 12, 211, 217, 43) (5, 79, 82, 58, 100, 56, 255, 96, 16, 204, 68, 174, 218, 36, 244, 27, 274, 250, 31, 256) (7, 246, 269, 154, 179, 199, 135, 170, 74, 266, 205, 89, 165, 120, 138, 50, 184, 136, 263, 129) (9, 264, 32, 48, 171) (11, 181, 67, 155, 271, 38, 105, 147, 122, 111) (13, 65, 222, 173, 141, 156, 177, 260, 112, 23, 128, 132, 85, 221, 118, 163, 106, 183, 113, 127) (14, 130, 75, 55, 153, 51, 92, 234, 28, 161, 239, 268, 197, 148, 241, 202, 267, 131, 152, 252) (24, 140, 225, 102, 230, 145, 101, 213, 133, 248, 34, 116, 214, 91, 134, 26, 73, 175, 80, 169) (25, 95, 210, 108, 63, 30, 187, 41, 242, 259, 144, 103, 110, 125, 212, 46, 223, 195, 119, 207) ([...]) , (1, 115, 261, 17, 137) (2, 6, 258, 76, 88, 215, 62, 81, 257, 114, 193, 172, 203, 180, 233, 206, 166, 64, 72, 190) (3, 194, 21, 60, 149, 142, 167, 151, 158, 20, 146, 40, 22, 159, 10, 29, 238, 8, 226, 61) (4, 211, 196, 15, 247, 168, 208, 43, 12, 220, 265, 182, 18, 37, 217, 245, 191, 19, 52, 185) (5, 250, 244, 174, 16, 56, 82, 256, 274, 36, 68, 96, 100, 79, 31, 27, 218, 204, 255, 58) (7, 136, 138, 89, 74, 199, 269, 129, 184, 120, 205, 170, 179, 246, 263, 50, 165, 266, 135, 154) (9, 32, 171, 264, 48) (11, 147, 271, 181, 122, 38, 67, 111, 105, 155) (13, 183, 118, 132, 112, 156, 222, 127, 106, 221, 128, 260, 141, 65, 113, 163, 85, 23, 177, 173) (14, 131, 241, 268, 28, 51, 75, 252, 267, 148, 239, 234, 153,

130, 152, 202, 197, 161, 92, 55) (24, 175, 134, 116, 133, 145, 225, 169, 73, 91, 34, 213, 230, 140, 80, 26, 214, 248, 101, 102) (25, 195, 212, 103, 242, 30, 210, 207, 223, 125, 144, 41, 63, 95, 119, 46, 110, 259, 187, 108) ([...]) , (1, 261, 137, 115, 17) (2, 64, 233, 172, 257, 215, 258, 190, 166, 180, 193, 81, 88, 6, 72, 206, 203, 114, 62, 76) (3, 8, 10, 40, 158, 142, 21, 61, 238, 159, 146, 151, 149, 194, 226, 29, 22, 20, 167, 60) (4, 19, 217, 182, 12, 168, 196, 185, 191, 37, 265, 43, 247, 211, 52, 245, 18, 220, 208, 15) (5, 204, 31, 96, 274, 56, 244, 58, 218, 79, 68, 256, 16, 250, 255, 27, 100, 36, 82, 174) (7, 266, 263, 170, 184, 199, 138, 154, 165, 246, 205, 129, 74, 136, 135, 50, 179, 120, 269, 89) (9, 171, 48, 32, 264) (11, 111, 122, 147, 105, 38, 271, 155, 67, 181) (13, 23, 113, 260, 106, 156, 118, 173, 85, 65, 128, 127, 112, 183, 177, 163, 141, 221, 222, 132) (14, 161, 152, 234, 267, 51, 241, 55, 197, 130, 239, 252, 28, 131, 92, 202, 153, 148, 75, 268) (24, 248, 80, 213, 73, 145, 134, 102, 214, 140, 34, 169, 133, 175, 101, 26, 230, 91, 225, 116) (25, 259, 119, 41, 223, 30, 212, 108, 110, 95, 144, 207, 242, 195, 187, 46, 63, 125, 210, 103) ([...]) , (1, 137, 17, 261, 115) (2, 114, 72, 81, 166, 215, 233, 76, 203, 6, 193, 190, 257, 64, 62, 206, 88, 180, 258, 172) (3, 20, 226, 151, 238, 142, 10, 60, 22, 194, 146, 61, 158, 8, 167, 29, 149, 159, 21, 40) (4, 220, 52, 43, 191, 168, 217, 15, 18, 211, 265, 185, 12, 19, 208, 245, 247, 37, 196, 182) (5, 36, 255, 256, 218, 56, 31, 174, 100, 250, 68, 58, 274, 204, 82, 27, 16, 79, 244, 96) (7, 120, 135, 129, 165, 199, 263, 89, 179, 136, 205, 154, 184, 266, 269, 50, 74, 246, 138, 170) (9, 48, 264, 171, 32) (11, 155, 105, 111, 67, 38, 122, 181, 271, 147) (13, 221, 177, 127, 85, 156, 113, 132, 141, 183, 128, 173, 106, 23, 222, 163, 112, 65, 118, 260) (14, 148, 92, 252, 197, 51, 152, 268, 153, 131, 239, 55, 267, 161, 75, 202, 28, 130, 241, 234) (24, 91, 101, 169, 214, 145, 80, 116, 230, 175, 34, 102, 73, 248, 225, 26, 133, 140, 134, 213) (25, 125, 187, 207, 110, 30, 119, 103, 63, 195, 144, 108, 223, 259, 210, 46, 242, 95, 212, 41) ([...]) .

	30										
$\chi_{17}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1
$\chi_{17}^{(2)}$	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
$\chi_{17}^{(3)}$	-1	I	I	I	I	I	-I	-I	-I	-I	-I
$\chi_{17}^{(4)}$	-1	-I	-I	-I	-I	-I	I	I	I	I	I
$\chi_{17}^{(5)}$	2	.	.	.	.	.	.	.	.	.	.
$\chi_{17}^{(6)}$	-2	.	.	.	.	.	.	.	.	.	.
$\chi_{17}^{(7)}$	/F	I	J	K	-/J	-/K	-I	-J	-K	/J	/K
$\chi_{17}^{(8)}$	/F	-I	-J	-K	/J	/K	I	J	K	-/J	-/K
$\chi_{17}^{(9)}$	E	I	K	-/J	-/K	J	-I	-K	/J	/K	-J
$\chi_{17}^{(10)}$	E	-I	-K	/J	/K	-J	I	K	-/J	-/K	J
$\chi_{17}^{(11)}$	/E	I	-/K	J	K	-/J	-I	/K	-J	-K	/J
$\chi_{17}^{(12)}$	/E	-I	/K	-J	-K	/J	I	-/K	J	K	-/J
$\chi_{17}^{(13)}$	F	I	-/J	-/K	J	K	-I	/J	/K	-J	-K
$\chi_{17}^{(14)}$	F	-I	/J	/K	-J	-K	I	-/J	-/K	J	K
$\chi_{17}^{(15)}$	-/F	-1	E	F	/E	/F	-1	E	F	/E	/F
$\chi_{17}^{(16)}$	-E	-1	F	/E	/F	E	-1	F	/E	/F	E
$\chi_{17}^{(17)}$	-/E	-1	/F	E	F	/E	-1	/F	E	F	/E
$\chi_{17}^{(18)}$	-F	-1	/E	/F	E	F	-1	/E	/F	E	F
$\chi_{17}^{(19)}$	-/F	1	-E	-F	-/E	-/F	1	-E	-F	-/E	-/F
$\chi_{17}^{(20)}$	-E	1	-F	-/E	-/F	-E	1	-F	-/E	-/F	-E
$\chi_{17}^{(21)}$	-/E	1	-/F	-E	-F	-/E	1	-/F	-E	-F	-/E
$\chi_{17}^{(22)}$	-F	1	-/E	-/F	-E	-F	1	-/E	-/F	-E	-F
$\chi_{17}^{(23)}$	/H	.	.	.	.	.	.	.	.	.	.
$\chi_{17}^{(24)}$	G	.	.	.	.	.	.	.	.	.	.
$\chi_{17}^{(25)}$	/G	.	.	.	.	.	.	.	.	.	.
$\chi_{17}^{(26)}$	H	.	.	.	.	.	.	.	.	.	.
$\chi_{17}^{(27)}$	-/H	.	.	.	.	.	.	.	.	.	.
$\chi_{17}^{(28)}$	-G	.	.	.	.	.	.	.	.	.	.
$\chi_{17}^{(29)}$	-/G	.	.	.	.	.	.	.	.	.	.
$\chi_{17}^{(30)}$	-H	.	.	.	.	.	.	.	.	.	.
$\chi_{17}^{(31)}$	.	.	.	.	.	.	.	.	.	.	.
$\chi_{17}^{(32)}$	.	.	.	.	.	.	.	.	.	.	.

where $A=5^*E(5)^4$; $B=5^*E(5)^3$; $C=10^*E(5)^4$; $D=10^*E(5)^3$; $E=-E(5)^4$; $F=-E(5)^3$; $G=-2^*E(5)^4$; $H=-2^*E(5)^3$; $I=-E(4)=-ER(-1)=-i$; $J=-E(20)$; $K=-E(20)^{17}$.

The generators of $G^{s_{18}}$ are:

(1, 207, 151, 205) (2, 62, 173, 228) (3, 114, 142, 110) (4, 97, 181, 16) (5, 191, 98, 155) (6, 8, 223, 22) (7, 177, 221, 192) (9, 248) (11, 37, 152, 14) (12, 143, 147, 100) (13, 81, 187, 129) (17, 46, 29, 135) (18, 117, 38, 218) (19, 92, 28, 122) (20, 25, 149, 180) (23, 186, 184, 222) (24, 225, 189, 83) (26, 53, 188, 139) (27, 51) (30, 249, 157, 136) (31, 217, 36, 234) (32, 140) (33, 71, 160, 209) (34, 78, 178, 133) (35, 169, 243, 164) (39, 270, 266, 195) (40, 263, 137, 41) (42, 111, 274, 247) (44, 126, 87, 213) (45, 73, 80, 275) (47, 200, 94, 59) (48, 175) (49, 102, 251, 66) (50, 106, 206, 210) (52, 79, 202, 255) (54, 276, 107, 116) (55, 244, 196, 204) (56, 252, 68, 265) (57, 273, 253, 77) (58, 148) (60, 269, 115, 103) (61, 138, 261, 108) (63, 238, 215, 194) (64, 159, 242, 158) (65, 232, 74, 118) (67, 220, 239, 197) (69, 236, 214, 134) (70, 240, 246, 259) (72, 260, 109, 203) (75, 153, 271, 168) (76, 119, 89, 85) (82, 208, 250, 268) (86, 124, 93, 235) (88, 193, 132, 121) (90, 224, 254, 123) (91, 171) (95, 262, 176, 120) (96, 131) (101, 237, 198, 230) (105, 211,

241, 267) (112, 172, 212, 170) (113, 156, 216, 165) (125, 229, 227, 199) (127, 272, 257, 233) (128, 183, 231, 179) (130, 174) (141, 190, 144, 154) (145, 264) (161, 256) (163, 219, 166, 258) , (3, 19, 249) (4, 77, 266) (5, 211, 275) (6, 197, 246) (7, 49, 263) (8, 67, 259) (10, 43, 99) (11, 254, 12) (13, 75, 234) (14, 224, 100) (15, 201, 226) (16, 253, 270) (17, 53, 225) (18, 231, 262) (20, 193, 235) (21, 182, 245) (22, 239, 240) (23, 101, 94) (24, 135, 26) (25, 132, 86) (27, 148, 161) (28, 136, 142) (29, 139, 83) (30, 110, 122) (31, 81, 153) (32, 91, 174) (33, 166, 158) (34, 172, 156) (35, 89, 154) (36, 129, 168) (37, 123, 143) (38, 128, 120) (39, 181, 273) (40, 192, 66) (41, 221, 251) (42, 214, 74) (44, 269, 276) (45, 191, 241) (46, 188, 189) (47, 184, 198) (48, 96, 264) (50, 52, 199) (51, 58, 256) (54, 213, 60) (55, 265, 215) (56, 194, 244) (57, 195, 97) (59, 186, 237) (63, 196, 252) (64, 71, 258) (65, 274, 69) (68, 238, 204) (70, 223, 220) (72, 257, 250) (73, 98, 267) (76, 190, 243) (78, 212, 216) (79, 125, 106) (80, 155, 105) (82, 109, 127) (84, 162, 104) (85, 141, 169) (87, 103, 116) (88, 93, 180) (90, 147, 152) (92, 157, 114) (95, 218, 183) (102, 137, 177) (107, 126, 115) (111, 134, 118) (112, 113, 133) (117, 179, 176) (119, 144, 164) (121, 124, 149) (130, 140, 171) (131, 145, 175) (146, 150, 167) (159, 160, 163) (165, 178, 170) (187, 271, 217) (200, 222, 230) (202, 229, 206) (203, 272, 208) (209, 219, 242) (210, 255, 227) (232, 247, 236) (233, 268, 260) , (2, 6, 78, 246) (4, 266, 276, 269) (5, 137, 66, 267) (7, 221) (8, 178, 259, 62) (9, 248) (10, 226, 15, 245) (11, 254, 238, 244) (12, 56, 147, 68) (13, 268, 179, 243) (14, 224, 63, 55) (16, 270, 54, 60) (17, 144, 120, 237) (18, 72, 33, 222) (19, 136, 28, 249) (20, 93, 229, 255) (21, 146, 150, 99) (22, 34, 240, 228) (23, 117, 260, 71) (24, 94, 258, 274) (25, 235, 227, 52) (26, 69, 234, 76) (27, 140, 51, 32) (29, 141, 262, 230) (30, 122, 157, 92) (31, 119, 53, 236) (35, 187, 208, 183) (36, 85, 139, 134) (37, 123, 215, 196) (38, 109, 160, 186) (39, 116, 103, 181) (40, 102, 211, 98) (41, 49, 105, 191) (42, 189, 47, 219) (43, 167, 182, 201) (45, 80) (46, 154, 95, 198) (48, 131) (50, 210, 206, 106) (58, 174) (59, 163, 247, 225) (61, 156, 239, 172) (64, 233, 75, 65) (67, 170, 261, 165) (70, 173, 223, 133) (73, 275) (74, 242, 272, 271) (79, 149, 86, 199) (81, 82, 128, 164) (83, 200, 166, 111) (84, 185, 162, 104) (88, 193, 132, 121) (89, 188, 214, 217) (90, 194, 204, 152) (91, 256, 171, 161) (96, 175) (97, 195, 107, 115) (100, 265, 143, 252) (101, 135, 190, 176) (108, 113, 220, 112) (118, 158, 257, 168) (124, 125, 202, 180) (127, 153, 232, 159) (129, 250, 231, 169) (130, 148) (138, 216, 197, 212) (145, 264) (155, 263, 251, 241) (177, 192) (184, 218, 203, 209) , (2, 35, 189, 272, 216, 42, 183, 154) (3, 28, 110, 92, 142, 19, 114, 122) (4, 40, 116, 267) (5, 44, 39, 275, 66, 77, 103, 192) (6, 218, 214, 271, 138, 217, 203, 46) (7, 191, 126, 270, 45, 49, 57, 60) (8, 18, 134, 168, 261, 36, 72, 29) (9, 48, 131, 264) (10, 43, 162, 245, 21, 167, 185, 146) (11, 106, 79, 100, 194, 132, 93, 252) (12, 63, 121, 235, 68, 37, 206, 202) (13, 65, 133, 94, 258, 101, 112, 268) (14, 50, 52, 147, 215, 193, 124, 56) (15, 201, 84, 99, 150, 182, 104, 226) (16, 41, 107, 241) (17, 22, 38, 236, 153, 61, 31, 109) (20, 55, 25, 244, 149, 196, 180, 204) (23, 64, 70, 26, 76, 176, 220, 71) (24, 233, 113, 274, 179, 190, 173, 243) (27, 51) (30, 136, 157, 249) (32, 174, 256, 148, 140, 130, 161, 58) (33, 222, 158, 259, 139, 85, 262, 67) (34, 59, 163, 237, 172, 82, 81, 232) (47, 219, 198, 212, 208, 187, 74, 78) (53, 119, 120, 239, 160, 186, 159, 240) (54, 105, 97, 263) (62, 169, 83, 257, 165, 111, 231, 141) (69, 75, 108, 234, 260, 135, 223, 117) (73, 102, 273, 269, 177, 98, 87, 266) (80, 251, 253, 115, 221, 155, 213, 195) (86, 265, 152, 210, 255, 143, 238, 88) (89, 95, 197, 209, 184, 242, 246, 188) (90, 199, 224, 125, 254, 229, 123, 227) (96, 145, 248, 175) (118, 178, 200, 166, 230, 170, 250, 129) (127, 156, 247, 128, 144, 228, 164, 225) (137, 276, 211, 181) , (1, 2) (3, 78) (4, 266) (5, 69) (6, 246) (7, 233) (8, 259) (9, 248) (11, 276) (12, 44) (13, 209) (14, 54) (15, 226) (16, 270) (17, 95) (18, 189) (19, 216) (20, 243) (21, 182) (22, 240) (23, 79) (24, 38) (25, 164) (26, 128) (27, 175) (28, 113) (29, 176) (30, 172) (31, 166) (32, 171) (33, 81) (34, 110) (35, 149) (36, 163) (37, 107) (39, 181) (40, 250) (41, 208) (42, 267) (43, 99) (45, 232) (46, 262) (47, 227) (48, 51) (49, 260) (50, 230) (52, 222) (53, 183) (55, 63) (56, 68) (58, 264) (59, 229) (60, 224) (61, 261) (62, 207) (64, 271) (65, 275) (66, 72) (70, 223) (71, 187) (73, 74) (75, 242) (76, 235) (80, 118) (82, 137) (83, 117) (84, 150) (85, 93) (86, 119) (87, 147) (88, 141) (89, 124) (90, 103) (91, 140) (92, 165) (94, 125) (96, 256) (97, 195) (98, 214) (100, 213) (101, 106) (102, 109) (104, 167) (105, 111) (108, 138) (112, 136) (114, 178) (115, 123) (116, 152) (120, 135) (121, 154) (122, 156) (126, 143) (127, 177) (129, 160) (130, 174) (131, 161) (132, 144) (133, 142) (134, 155) (139, 179) (145, 148) (146,

162) (151, 173) (153, 158) (157, 170) (159, 168) (169, 180) (184, 255) (186, 202) (188, 231) (190, 193) (191, 236) (192, 257) (194, 204) (196, 215) (198, 210) (199, 200) (203, 251) (205, 228) (206, 237) (211, 274) (212, 249) (217, 258) (218, 225) (219, 234) (221, 272) (238, 244) (241, 247) (252, 265) (254, 269) (263, 268).

The representatives of conjugacy classes of $G^{s_{18}}$ are:

() , (1, 151) (2, 173) (3, 142) (4, 181) (5, 98) (6, 223) (7, 221) (8, 22) (11, 152) (12, 147) (13, 187) (14, 37) (16, 97) (17, 29) (18, 38) (19, 28) (20, 149) (23, 184) (24, 189) (25, 180) (26, 188) (30, 157) (31, 36) (33, 160) (34, 178) (35, 243) (39, 266) (40, 137) (41, 263) (42, 274) (44, 87) (45, 80) (46, 135) (47, 94) (49, 251) (50, 206) (52, 202) (53, 139) (54, 107) (55, 196) (56, 68) (57, 253) (59, 200) (60, 115) (61, 261) (62, 228) (63, 215) (64, 242) (65, 74) (66, 102) (67, 239) (69, 214) (70, 246) (71, 209) (72, 109) (73, 275) (75, 271) (76, 89) (77, 273) (78, 133) (79, 255) (81, 129) (82, 250) (83, 225) (85, 119) (86, 93) (88, 132) (90, 254) (92, 122) (95, 176) (100, 143) (101, 198) (103, 269) (105, 241) (106, 210) (108, 138) (110, 114) (111, 247) (112, 212) (113, 216) (116, 276) (117, 218) (118, 232) (120, 262) (121, 193) (123, 224) (124, 235) (125, 227) (126, 213) (127, 257) (128, 231) (134, 236) (136, 249) (141, 144) (153, 168) (154, 190) (155, 191) (156, 165) (158, 159) (163, 166) ([...]) , (1, 205, 151, 207) (2, 228, 173, 62) (3, 110, 142, 114) (4, 16, 181, 97) (5, 155, 98, 191) (6, 22, 223, 8) (7, 192, 221, 177) (9, 248) (11, 14, 152, 37) (12, 100, 147, 143) (13, 129, 187, 81) (17, 135, 29, 46) (18, 218, 38, 117) (19, 122, 28, 92) (20, 180, 149, 25) (23, 222, 184, 186) (24, 83, 189, 225) (26, 139, 188, 53) (27, 51) (30, 136, 157, 249) (31, 234, 36, 217) (32, 140) (33, 209, 160, 71) (34, 133, 178, 78) (35, 164, 243, 169) (39, 195, 266, 270) (40, 41, 137, 263) (42, 247, 274, 111) (44, 213, 87, 126) (45, 275, 80, 73) (47, 59, 94, 200) (48, 175) (49, 66, 251, 102) (50, 210, 206, 106) (52, 255, 202, 79) (54, 116, 107, 276) (55, 204, 196, 244) (56, 265, 68, 252) (57, 77, 253, 273) (58, 148) (60, 103, 115, 269) (61, 108, 261, 138) (63, 194, 215, 238) (64, 158, 242, 159) (65, 118, 74, 232) (67, 197, 239, 220) (69, 134, 214, 236) (70, 259, 246, 240) (72, 203, 109, 260) (75, 168, 271, 153) (76, 85, 89, 119) (82, 268, 250, 208) (86, 235, 93, 124) ([...]) , (1, 207, 151, 205) (2, 62, 173, 228) (3, 114, 142, 110) (4, 97, 181, 16) (5, 191, 98, 155) (6, 8, 223, 22) (7, 177, 221, 192) (9, 248) (11, 37, 152, 14) (12, 143, 147, 100) (13, 81, 187, 129) (17, 46, 29, 135) (18, 117, 38, 218) (19, 92, 28, 122) (20, 25, 149, 180) (23, 186, 184, 222) (24, 225, 189, 83) (26, 53, 188, 139) (27, 51) (30, 249, 157, 136) (31, 217, 36, 234) (32, 140) (33, 71, 160, 209) (34, 78, 178, 133) (35, 169, 243, 164) (39, 270, 266, 195) (40, 263, 137, 41) (42, 111, 274, 247) (44, 126, 87, 213) (45, 73, 80, 275) (47, 200, 94, 59) (48, 175) (49, 102, 251, 66) (50, 106, 206, 210) (52, 79, 202, 255) (54, 276, 107, 116) (55, 244, 196, 204) (56, 252, 68, 265) (57, 273, 253, 77) (58, 148) (60, 269, 115, 103) (61, 138, 261, 108) (63, 238, 215, 194) (64, 159, 242, 158) (65, 232, 74, 118) (67, 220, 239, 197) (69, 236, 214, 134) (70, 240, 246, 259) (72, 260, 109, 203) (75, 153, 271, 168) (76, 119, 89, 85) (82, 208, 250, 268) (86, 124, 93, 235) ([...]) , (2, 216) (3, 142) (5, 66) (6, 138) (7, 45) (8, 261) (10, 21) (11, 194) (12, 68) (13, 258) (14, 215) (15, 150) (17, 153) (18, 36) (19, 28) (20, 149) (22, 61) (23, 76) (24, 179) (25, 180) (26, 71) (29, 168) (31, 38) (32, 140) (33, 139) (34, 172) (35, 42) (37, 63) (39, 103) (43, 167) (44, 77) (46, 271) (47, 208) (49, 191) (50, 193) (52, 124) (53, 160) (55, 196) (56, 147) (57, 126) (58, 148) (59, 82) (60, 270) (62, 165) (64, 176) (65, 101) (67, 259) (69, 260) (70, 220) (72, 134) (73, 177) (74, 198) (75, 135) (78, 212) (79, 93) (80, 221) (81, 163) (83, 231) (84, 104) (85, 222) (86, 255) (87, 273) (88, 210) (89, 184) (90, 254) (92, 122) (94, 268) (95, 242) (98, 102) (99, 226) (100, 252) (106, 132) (108, 223) (109, 236) (110, 114) (111, 169) (112, 133) (113, 173) (115, 195) (117, 234) (118, 230) (119, 186) (120, 159) (121, 206) (123, 224) (125, 227) (127, 144) (128, 225) (129, 166) (130, 174) (141, 257) (143, 265) (146, 245) (152, 238) (154, 272) (155, 251) (156, 228) (158, 262) (161, 256) (162, 185) ([...]) , (1, 205, 151, 207) (2, 156, 173, 165) (3, 114, 142, 110) (4, 16, 181, 97) (5, 251, 98, 49) (6, 61, 223, 261) (7, 275, 221, 73) (8, 138, 22, 108) (9, 248) (10, 21) (11, 215, 152, 63) (12, 252, 147, 265) (13, 166, 187, 163) (14, 238, 37, 194) (15, 150) (17, 75, 29, 271) (18, 217, 38, 234) (19, 92, 28, 122) (20, 25, 149, 180) (23, 85, 184, 119) (24, 231, 189, 128) (26, 33, 188, 160) (27, 51) (30, 136, 157, 249) (31, 117, 36, 218) (34, 112, 178, 212) (35, 247, 243, 111) (39, 115, 266, 60) (40, 41, 137, 263) (42, 164, 274, 169) (43, 167) (44, 253, 87, 57) (45, 192, 80, 177) (46, 153, 135, 168) (47, 82, 94, 250) (48, 175) (50, 88, 206, 132) (52, 86, 202, 93) (53, 71, 139, 209) (54, 116, 107, 276) (55, 244, 196, 204) (56, 143, 68, 100) (59, 268, 200, 208) (62, 216, 228, 113) (64, 262, 242, 120) (65, 230, 74, 237) (66, 155, 102,

191) (67, 246, 239, 70) (69, 72, 214, 109) (76, 222, 89, 186) (77, 213, 273, 126) (78, 172, 133, 170) (79, 124, 255, 235) ([...]) , (3, 249, 19) (4, 266, 77) (5, 275, 211) (6, 246, 197) (7, 263, 49) (8, 259, 67) (10, 99, 43) (11, 12, 254) (13, 234, 75) (14, 100, 224) (15, 226, 201) (16, 270, 253) (17, 225, 53) (18, 262, 231) (20, 235, 193) (21, 245, 182) (22, 240, 239) (23, 94, 101) (24, 26, 135) (25, 86, 132) (27, 161, 148) (28, 142, 136) (29, 83, 139) (30, 122, 110) (31, 153, 81) (32, 174, 91) (33, 158, 166) (34, 156, 172) (35, 154, 89) (36, 168, 129) (37, 143, 123) (38, 120, 128) (39, 273, 181) (40, 66, 192) (41, 251, 221) (42, 74, 214) (44, 276, 269) (45, 241, 191) (46, 189, 188) (47, 198, 184) (48, 264, 96) (50, 199, 52) (51, 256, 58) (54, 60, 213) (55, 215, 265) (56, 244, 194) (57, 97, 195) (59, 237, 186) (63, 252, 196) (64, 258, 71) (65, 69, 274) (68, 204, 238) (70, 220, 223) (72, 250, 257) (73, 267, 98) (76, 243, 190) (78, 216, 212) (79, 106, 125) (80, 105, 155) (82, 127, 109) (84, 104, 162) (85, 169, 141) (87, 116, 103) (88, 180, 93) (90, 152, 147) (92, 114, 157) (95, 183, 218) ([...]) , (1, 151) (2, 173) (3, 136, 19, 142, 249, 28) (4, 39, 77, 181, 266, 273) (5, 73, 211, 98, 275, 267) (6, 70, 197, 223, 246, 220) (7, 41, 49, 221, 263, 251) (8, 240, 67, 22, 259, 239) (10, 99, 43) (11, 147, 254, 152, 12, 90) (13, 217, 75, 187, 234, 271) (14, 143, 224, 37, 100, 123) (15, 226, 201) (16, 195, 253, 97, 270, 57) (17, 83, 53, 29, 225, 139) (18, 120, 231, 38, 262, 128) (20, 124, 193, 149, 235, 121) (21, 245, 182) (23, 47, 101, 184, 94, 198) (24, 188, 135, 189, 26, 46) (25, 93, 132, 180, 86, 88) (27, 161, 148) (30, 92, 110, 157, 122, 114) (31, 168, 81, 36, 153, 129) (32, 174, 91) (33, 159, 166, 160, 158, 163) (34, 165, 172, 178, 156, 170) (35, 190, 89, 243, 154, 76) (40, 102, 192, 137, 66, 177) (42, 65, 214, 274, 74, 69) (44, 116, 269, 87, 276, 103) (45, 105, 191, 80, 241, 155) (48, 264, 96) (50, 229, 52, 206, 199, 202) (51, 256, 58) (54, 115, 213, 107, 60, 126) (55, 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141, 89, 164, 190, 85) (42, 232, 69, 111, 74, 236, 274, 118, 214, 247, 65, 134) ([...]) , (1, 207, 151, 205) (2, 62, 173, 228) (3, 157, 28, 110, 249, 92, 142, 30, 19, 114, 136, 122) (4, 195, 273, 16, 266, 57, 181, 270, 77, 97, 39, 253) (5, 45, 267, 155, 275, 241, 98, 80, 211, 191, 73, 105) (6, 259, 220, 22, 246, 67, 223, 240, 197, 8, 70, 239) (7, 137, 251, 192, 263, 102, 221, 40, 49, 177, 41, 66) (9, 248) (10, 99, 43) (11, 143, 90, 14, 12, 123, 152, 100, 254, 37, 147, 224) (13, 31, 271, 129, 234, 153, 187, 36, 75, 81, 217, 168) (15, 226, 201) (17, 189, 139, 135, 225, 188, 29, 24, 53, 46, 83, 26) (18, 176, 128, 218, 262, 179, 38, 95, 231, 117, 120, 183) (20, 86, 121, 180, 235, 132, 149, 93, 193, 25, 124, 88) (21, 245, 182) (23, 59, 198, 222, 94, 237, 184, 200, 101, 186, 47, 230) (27, 256, 148, 51, 161, 58) (32, 130, 91, 140, 174, 171) (33, 64, 163, 209, 158, 258, 160, 242, 166, 71, 159, 219) (34, 216, 170, 133, 156, 212, 178, 113, 172, 78, 165, 112) (35, 141, 76, 164, 154, 85, 243, 144, 89, 169, 190, 119) (42, 118, 69, 247, 74, 134, 274, 232, 214, 111, 65, 236) ([...]) , (2, 246, 78, 6) (4, 269, 276, 266) (5, 267, 66, 137) (7, 221) (8, 62, 259, 178) (9, 248) (10, 245, 15, 226) (11, 244, 238, 254) (12, 68, 147, 56) (13, 243, 179, 268) (14, 55, 63, 224) (16, 60, 54, 270) (17, 237, 120, 144) (18, 222, 33, 72) (19, 249, 28, 136) (20, 255, 229, 93) (21, 99, 150, 146) (22, 228, 240, 34) (23, 71, 260, 117) (24, 274, 258, 94) (25, 52, 227, 235) (26, 76, 234, 69) (27, 32, 51, 140) (29, 230, 262, 141) (30, 92, 157, 122) (31, 236, 53, 119) (35, 183, 208, 187) (36, 134, 139, 85) (37, 196, 215, 123) (38, 186, 160, 109) (39, 181, 103, 116) (40, 98, 211, 102) (41, 191, 105, 49) (42, 219, 47, 189) (43, 201, 182, 167) (45, 80) (46, 198, 95, 154) (48, 131) (50, 106, 206, 210) (58, 174) (59, 225, 247, 163) (61, 172, 239, 156) (64, 65, 75, 233) (67, 165, 261, 170) (70, 133, 223, 173) (73, 275) (74, 271, 272, 242) (79, 199, 86, 149) (81, 164, 128, 82) (83, 111, 166, 200) (84, 104, 162, 185) (88, 121, 132, 193) (89, 217, 214, 188) ([...]) , (1, 151) (2, 70, 78, 223) (3, 142) (4, 103, 276, 39) (5, 211, 66, 40) (6, 173, 246, 133) (8, 228, 259, 34) (9, 248) (10, 245, 15, 226) (11, 204, 238, 90) (12, 56, 147, 68) (13, 35, 179, 208) (14, 196, 63, 123) (16, 115,

54, 195) (17, 230, 120, 141) (18, 186, 33, 109) (19, 136, 28, 249) (20, 79, 229, 86) (21, 99, 150, 146) (22, 62, 240, 178) (23, 209, 260, 218) (24, 42, 258, 47) (25, 202, 227, 124) (26, 89, 234, 214) (27, 32, 51, 140) (29, 237, 262, 144) (30, 122, 157, 92) (31, 134, 53, 85) (36, 236, 139, 119) (37, 55, 215, 224) (38, 222, 160, 72) (41, 155, 105, 251) (43, 201, 182, 167) (44, 87) (46, 101, 95, 190) (48, 131) (49, 263, 191, 241) (50, 210, 206, 106) (52, 125, 235, 180) (57, 253) (58, 174) (59, 83, 247, 166) (60, 107, 270, 97) (61, 170, 239, 165) (64, 74, 75, 272) (65, 271, 233, 242) (67, 156, 261, 172) (69, 188, 76, 217) (71, 203, 117, 184) (77, 273) (81, 169, 128, 250) (82, 129, 164, 231) (84, 104, 162, 185) (88, 193, 132, 121) ([...]) , (1, 205, 151, 207) (2, 240, 133, 8) (3, 110, 142, 114) (4, 60, 116, 195) (5, 241, 102, 41) (6, 228, 70, 178) (7, 177, 221, 192) (10, 245, 15, 226) (11, 55, 194, 123) (12, 252) (13, 169, 183, 82) (14, 204, 215, 254) (16, 103, 107, 266) (17, 101, 262, 154) (18, 184, 160, 260) (19, 30) (20, 202, 199, 235) (21, 99, 150, 146) (22, 173, 259, 78) (23, 33, 203, 38) (24, 111, 219, 59) (25, 255, 125, 86) (26, 85, 217, 236) (27, 140, 51, 32) (28, 157) (29, 198, 120, 190) (31, 69, 139, 89) (34, 223, 62, 246) (35, 128, 268, 129) (36, 214, 53, 76) (37, 244, 63, 90) (39, 97, 269, 54) (40, 191, 267, 251) (42, 163, 94, 83) (43, 201, 182, 167) (44, 213, 87, 126) (45, 73, 80, 275) (46, 237, 176, 141) (47, 225, 274, 166) (48, 96) (49, 137, 155, 211) (52, 229, 124, 149) (56, 100) (57, 77, 253, 273) (58, 130) (61, 112, 67, 216) (64, 118, 271, 127) (65, 168, 272, 159) (66, 263, 98, 105) (68, 143) (71, 72, 218, 186) (74, 153, 233, 158) (75, 257, 242, 232) (79, 227, 93, 180) ([...]) , (1, 207, 151, 205) (2, 259, 133, 22) (3, 114, 142, 110) (4, 115, 116, 270) (5, 105, 102, 263) (6, 62, 70, 34) (7, 192, 221, 177) (8, 173, 240, 78) (10, 245, 15, 226) (11, 196, 194, 224) (12, 265) (13, 164, 183, 250) (14, 244, 215, 90) (16, 269, 107, 39) (17, 198, 262, 190) (18, 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79) (26, 76, 139, 85, 188, 89, 53, 119) (27, 140) (30, 110, 92, 205, 157, 114, 122, 207) (31, 134, 234, 214, 36,
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 103, 247, 149, 190, 86, 60, 42, 180, 144, 124, 269, 111) ([...]) , (1, 2, 262, 163, 218) (3, 172, 135, 83, 188)
 (4, 72, 155, 233, 211) (5, 127, 241, 97, 260) (6, 210, 194, 265, 35) (7, 14, 44, 42, 108) (8, 50, 63, 56, 169) (9,

148, 140, 174, 48) (10, 182, 162, 201, 15) (11, 126, 111, 61, 177) (12, 94, 70, 275, 39) (13, 209, 19, 133, 242) (16, 203, 98, 257, 105) (17, 24, 139, 114, 212) (18, 207, 62, 176, 219) (20, 204, 186, 102, 65) (21, 226, 146, 150, 84) (22, 206, 215, 68, 164) (23, 49, 118, 180, 196) (25, 55, 184, 251, 232) (26, 142, 170, 46, 225) (27, 91, 131, 161, 145) (28, 78, 64, 187, 71) (29, 189, 53, 110, 112) (30, 113, 271, 231, 31) (32, 130, 175, 248, 58) (33, 92, 34, 158, 81) (36, 157, 216, 75, 128) (37, 87, 274, 138, 221) (38, 205, 228, 95, 258) (40, 254, 89, 124, 141) (41, 224, 119, 86, 154) (43, 245, 185, 99, 167) (45, 270, 143, 59, 240) (47, 246, 73, 266, 147) (51, 171, 96, 256, 264) (52, 101, 125, 54, 134) (57, 208, 197, 121, 60) (66, 74, 149, 244, 222) (67, 88, 269, 273, 250) ([...]) , (1, 173, 262, 166, 218, 151, 2, 120, 163, 117) (3, 170, 135, 225, 188, 142, 172, 46, 83, 26) (4, 109, 155, 272, 211, 181, 72, 191, 233, 267) (5, 257, 241, 16, 260, 98, 127, 105, 97, 203) (6, 106, 194, 252, 35, 223, 210, 238, 265, 243) (7, 37, 44, 274, 108, 221, 14, 87, 42, 138) (8, 206, 63, 68, 169, 22, 50, 215, 56, 164) (9, 148, 140, 174, 48) (10, 182, 162, 201, 15) (11, 213, 111, 261, 177, 152, 126, 247, 61, 192) (12, 47, 70, 73, 39, 147, 94, 246, 275, 266) (13, 71, 19, 78, 242, 187, 209, 28, 133, 64) (17, 189, 139, 110, 212, 29, 24, 53, 114, 112) (18, 205, 62, 95, 219, 38, 207, 228, 176, 258) (20, 244, 186, 66, 65, 149, 204, 222, 102, 74) (21, 226, 146, 150, 84) (23, 251, 118, 25, 196, 184, 49, 232, 180, 55) (27, 91, 131, 161, 145) (30, 216, 271, 128, 31, 157, 113, 75, 231, 36) (32, 130, 175, 248, 58) (33, 122, 34, 159, 81, 160, 92, 178, 158, 129) (40, 90, 89, 235, 141, 137, 254, 76, 124, 144) (41, 123, 119, 93, 154, 263, 224, 85, 86, 190) ([...]) , (1, 228, 120, 219, 218, 205, 173, 176, 163, 38, 151, 62, 262, 258, 117, 207, 2, 95, 166, 18) (3, 112, 46, 24, 188, 110, 170, 17, 83, 53, 142, 212, 135, 189, 26, 114, 172, 29, 225, 139) (4, 203, 191, 127, 211, 16, 109, 5, 233, 105, 181, 260, 155, 257, 267, 97, 72, 98, 272, 241) (6, 206, 238, 56, 35, 22, 106, 63, 265, 164, 223, 50, 194, 68, 243, 8, 210, 215, 252, 169) (7, 152, 87, 111, 108, 192, 37, 126, 42, 261, 221, 11, 44, 247, 138, 177, 14, 213, 274, 61) (9, 58, 140, 130, 48, 248, 148, 32, 174, 175) (10, 182, 162, 201, 15) (12, 200, 246, 45, 39, 100, 47, 240, 275, 195, 147, 59, 70, 80, 266, 143, 94, 259, 73, 270) (13, 160, 28, 34, 242, 129, 71, 92, 133, 159, 187, 33, 19, 178, 64, 81, 209, 122, 78, 158) (20, 196, 222, 251, 65, 180, 244, 184, 102, 118, 149, 55, 186, 49, 74, 25, 204, 23, 66, 232) (21, 226, 146, 150, 84) (27, 171, 131, 256, 145, 51, 91, 96, 161, 264) (30, 165, 75, 179, 31, 136, 216, 168, 231, 234, 157, 156, 271, 183, 36, 249, 113, 153, 128, 217) ([...]) , (1, 62, 120, 258, 218, 207, 173, 95, 163, 18, 151, 228, 262, 219, 117, 205, 2, 176, 166, 38) (3, 212, 46, 189, 188, 114, 170, 29, 83, 139, 142, 112, 135, 24, 26, 110, 172, 17, 225, 53) (4, 260, 191, 257, 211, 97, 109, 98, 233, 241, 181, 203, 155, 127, 267, 16, 72, 5, 272, 105) (6, 50, 238, 68, 35, 8, 106, 215, 265, 169, 223, 206, 194, 56, 243, 22, 210, 63, 252, 164) (7, 11, 87, 247, 108, 177, 37, 213, 42, 61, 221, 152, 44, 111, 138, 192, 14, 126, 274, 261) (9, 58, 140, 130, 48, 248, 148, 32, 174, 175) (10, 182, 162, 201, 15) (12, 59, 246, 80, 39, 143, 47, 259, 275, 270, 147, 200, 70, 45, 266, 100, 94, 240, 73, 195) (13, 33, 28, 178, 242, 81, 71, 122, 133, 158, 187, 160, 19, 34, 64, 129, 209, 92, 78, 159) (20, 55, 222, 49, 65, 25, 244, 23, 102, 232, 149, 196, 186, 251, 74, 180, 204, 184, 66, 118) (21, 226, 146, 150, 84) (27, 171, 131, 256, 145, 51, 91, 96, 161, 264) (30, 156, 75, 183, 31, 249, 216, 153, 231, 217, 157, 165, 271, 179, 36, 136, 113, 168, 128, 234) ([...]);

The character table of $G^{s_{18}}$:

	10										20									
$\chi_{18}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{18}^{(2)}$	4	-4	A	-A	.	.	1	-1	F	-F	-2	2	-G	G	.	.	.	H	-H	/H -/H .
$\chi_{18}^{(3)}$	4	-4	-A	A	.	.	1	-1	-F	F	-2	2	G	-G	.	.	.	/H	-/H	H -H .
$\chi_{18}^{(4)}$	5	5	5	5	5	5	-1	-1	-1	-1	1	1	1	1	1	1	1	-1	-1	-1 -1 -1
$\chi_{18}^{(5)}$	5	5	5	5	5	5	2	2	2	2	1	1	1	1	1	1	1	-1	-1	-1 -1 -1
$\chi_{18}^{(6)}$	6	6	-6	-6	-2	2	.	.	.	.	2	2	-2	-2	-2	2	.	.	.	.
$\chi_{18}^{(7)}$	8	8	8	8	8	8	-1	-1	-1	-1	.	.	.	.	.	.	.	.	.	.
$\chi_{18}^{(8)}$	8	8	8	8	8	8	-1	-1	-1	-1	.	.	.	.	.	.	.	.	.	.
$\chi_{18}^{(9)}$	9	9	9	9	9	9	.	.	.	.	1	1	1	1	1	1	1	1	1	1
$\chi_{18}^{(10)}$	10	10	10	10	10	10	1	1	1	1	-2	-2	-2	-2	-2	-2	-2	.	.	.
$\chi_{18}^{(11)}$	10	10	-10	-10	2	-2	1	1	-1	-1	-2	-2	2	2	-2	2	.	.	.	-2
$\chi_{18}^{(12)}$	10	10	-10	-10	2	-2	1	1	-1	-1	-2	-2	2	2	-2	2	.	.	.	2
$\chi_{18}^{(13)}$	10	10	-10	-10	2	-2	1	1	-1	-1	2	2	-2	-2	2	-2	.	G	G	-G -G .
$\chi_{18}^{(14)}$	10	10	-10	-10	2	-2	1	1	-1	-1	2	2	-2	-2	2	-2	.	-G	-G	G G .
$\chi_{18}^{(15)}$	15	15	15	15	-1	-1	.	.	.	.	-1	-1	-1	-1	3	3	-1	-1	-1	-1 1
$\chi_{18}^{(16)}$	15	15	15	15	-1	-1	.	.	.	.	3	3	3	3	-1	-1	-1	1	1	1 -1
$\chi_{18}^{(17)}$	18	18	-18	-18	-6	6	.	.	.	.	-2	-2	2	2	2	-2	.	.	.	.
$\chi_{18}^{(18)}$	18	18	-18	-18	-6	6	.	.	.	.	-2	-2	2	2	2	-2	.	.	.	.
$\chi_{18}^{(19)}$	20	-20	B	-B	.	.	2	-2	G	-G	-2	2	-G	G	.	.	.	-H	H	-/H /H .
$\chi_{18}^{(20)}$	20	-20	-B	B	.	.	2	-2	-G	G	-2	2	G	-G	.	.	.	-/H	/H	-H H .
$\chi_{18}^{(21)}$	20	-20	B	-B	.	.	-1	1	-F	F	-2	2	-G	G	.	.	.	-H	H	-/H /H .
$\chi_{18}^{(22)}$	20	-20	-B	B	.	.	-1	1	F	-F	-2	2	G	-G	.	.	.	-/H	/H	-H H .
$\chi_{18}^{(23)}$	24	24	-24	-24	-8	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{18}^{(24)}$	30	30	30	30	-2	-2	.	.	.	.	2	2	2	2	2	2	-2	.	.	.
$\chi_{18}^{(25)}$	30	30	-30	-30	-10	10	.	.	.	.	2	2	-2	-2	-2	2	.	.	.	.
$\chi_{18}^{(26)}$	32	-32	C	-C	.	.	-1	1	-F	F	.	.	.	.	.	.	.	.	.	.
$\chi_{18}^{(27)}$	32	-32	C	-C	.	.	-1	1	-F	F	.	.	.	.	.	.	.	.	.	.
$\chi_{18}^{(28)}$	32	-32	-C	C	.	.	-1	1	F	-F	.	.	.	.	.	.	.	.	.	.
$\chi_{18}^{(29)}$	32	-32	-C	C	.	.	-1	1	F	-F	.	.	.	.	.	.	.	.	.	.
$\chi_{18}^{(30)}$	36	-36	D	-D	.	.	.	.	.	.	-2	2	-G	G	.	.	.	H	-H	/H -/H .
$\chi_{18}^{(31)}$	36	-36	-D	D	.	.	.	.	.	.	-2	2	G	-G	.	.	.	/H	-/H	H -H .
$\chi_{18}^{(32)}$	40	40	-40	-40	8	-8	1	1	-1	-1	.	.	.	.	.	.	.	.	.	.
$\chi_{18}^{(33)}$	40	40	-40	-40	8	-8	-2	-2	2	2	.	.	.	.	.	.	.	.	.	.
$\chi_{18}^{(34)}$	40	-40	E	-E	.	.	1	-1	F	-F	4	-4	A	-A	.	.	.	.	.	.
$\chi_{18}^{(35)}$	40	-40	-E	E	.	.	1	-1	-F	F	4	-4	-A	A	.	.	.	.	.	.
$\chi_{18}^{(36)}$	45	45	45	45	-3	-3	.	.	.	.	-3	-3	-3	-3	1	1	1	1	1	1 -1
$\chi_{18}^{(37)}$	45	45	45	45	-3	-3	.	.	.	.	1	1	1	1	-3	-3	1	-1	-1	-1 1

	30														
$\chi_{18}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{18}^{(2)}$	.	.	.	2	-2	G	-G	-1	1	-F	F	-1	1	-F	F
$\chi_{18}^{(3)}$	.	.	.	2	-2	-G	G	-1	1	F	-F	-1	1	F	-F
$\chi_{18}^{(4)}$	-1	2	2	2	2	2	2	.	.	.	.	.	.	.	.
$\chi_{18}^{(5)}$	-1	-1	-1	-1	-1	-1	-1	.	.	.	.	.	.	.	.
$\chi_{18}^{(6)}$	.	-1	1	3	3	-3	-3	1	1	-1	-1	1	1	-1	-1
$\chi_{18}^{(7)}$	.	-1	-1	-1	-1	-1	-1	I	I	I	I	*I	*I	*I	*I
$\chi_{18}^{(8)}$	.	-1	-1	-1	-1	-1	-1	*I	*I	*I	*I	I	I	I	I
$\chi_{18}^{(9)}$	1	.	.	.	.	.	.	-1	-1	-1	-1	-1	-1	-1	-1
$\chi_{18}^{(10)}$	.	1	1	1	1	1	1	.	.	.	.	.	.	.	.
$\chi_{18}^{(11)}$	2	1	-1	1	1	-1	-1	.	.	.	.	.	.	.	.
$\chi_{18}^{(12)}$	-2	1	-1	1	1	-1	-1	.	.	.	.	.	.	.	.
$\chi_{18}^{(13)}$	.	1	-1	1	1	-1	-1	.	.	.	.	.	.	.	.
$\chi_{18}^{(14)}$	.	1	-1	1	1	-1	-1	.	.	.	.	.	.	.	.
$\chi_{18}^{(15)}$	1	-1	-1	3	3	3	3	.	.	.	.	.	.	.	.
$\chi_{18}^{(16)}$	-1	-1	-1	3	3	3	3	.	.	.	.	.	.	.	.
$\chi_{18}^{(17)}$	.	.	.	.	.	.	.	I	I	-I	-I	*I	*I	-*I	-*I
$\chi_{18}^{(18)}$	.	.	.	.	.	.	.	*I	*I	-*I	-*I	I	I	-I	-I
$\chi_{18}^{(19)}$	.	.	.	-2	2	-G	G	.	.	.	.	.	.	.	.
$\chi_{18}^{(20)}$	.	.	.	-2	2	G	-G	.	.	.	.	.	.	.	.
$\chi_{18}^{(21)}$	.	.	.	4	-4	A	-A	.	.	.	.	.	.	.	.
$\chi_{18}^{(22)}$	.	.	.	4	-4	-A	A	.	.	.	.	.	.	.	.
$\chi_{18}^{(23)}$	.	-1	1	3	3	-3	-3	-1	-1	1	1	-1	-1	1	1
$\chi_{18}^{(24)}$	.	1	1	-3	-3	-3	-3	.	.	.	.	.	.	.	.
$\chi_{18}^{(25)}$	.	1	-1	-3	-3	3	3	.	.	.	.	.	.	.	.
$\chi_{18}^{(26)}$	.	.	.	-2	2	-G	G	-*I	*I	J	-J	-I	I	K	-K
$\chi_{18}^{(27)}$	.	.	.	-2	2	-G	G	-I	I	K	-K	-*I	*I	J	-J
$\chi_{18}^{(28)}$	.	.	.	-2	2	G	-G	-*I	*I	-J	J	-I	I	-K	K
$\chi_{18}^{(29)}$	.	.	.	-2	2	G	-G	-I	I	-K	K	-*I	*I	-J	J
$\chi_{18}^{(30)}$	.	.	.	.	.	.	.	1	-1	F	-F	1	-1	F	-F
$\chi_{18}^{(31)}$	.	.	.	.	.	.	.	1	-1	-F	F	1	-1	-F	F
$\chi_{18}^{(32)}$	.	-2	2	-2	-2	2	2	.	.	.	.	.	.	.	.
$\chi_{18}^{(33)}$	.	1	-1	1	1	-1	-1	.	.	.	.	.	.	.	.
$\chi_{18}^{(34)}$	.	.	.	2	-2	G	-G	.	.	.	.	.	.	.	.
$\chi_{18}^{(35)}$	.	.	.	2	-2	-G	G	.	.	.	.	.	.	.	.
$\chi_{18}^{(36)}$	-1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{18}^{(37)}$	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.

where $A=-4^*E(4)=-4^*ER(-1)=-4i$; $B=-20^*E(4)=-20^*ER(-1)=-20i$; $C=-32^*E(4)=-32^*ER(-1)=-32i$; $D=-36^*E(4)=-36^*ER(-1)=-36i$; $E=-40^*E(4)=-40^*ER(-1)=-40i$; $F=-E(4)=-ER(-1)=-i$; $G=-2^*E(4)=-2^*ER(-1)=-2i$; $H=-1^*E(4)=-1^*ER(-1)=-1i$; $I=-E(5)-E(5)^4=(1-ER(5))/2=-b_5$; $J=-E(20)^{13}-E(20)^{17}$; $K=-E(20)-E(20)^9$.

The generators of $G^{s_{19}}$ are:

(1, 46, 249, 157, 220, 271, 145, 154, 218, 254, 43, 100, 203, 19, 72, 52, 24, 111, 48, 90, 168) (2, 240, 120, 164, 158, 213, 234, 4, 106, 98, 68, 261, 181, 114, 175, 109, 178, 50, 262, 219, 85) (3, 166, 78, 270, 255, 250, 196, 74, 79, 45, 9, 102, 173, 245, 35, 193, 221, 233, 105, 89, 252) (5, 273, 149, 115, 75, 208, 267, 198, 155,

77, 62, 37, 59, 246, 223, 257, 42, 25, 38, 23, 230) (6, 29, 108, 131, 60, 235, 214, 138, 125, 129, 123, 92, 263, 51, 274, 265, 104, 165, 226, 140, 12) (7, 171, 124, 242, 119, 103, 237, 222, 93, 202, 151, 49, 160, 139, 69, 117, 31, 122, 212, 73, 253) (8, 40, 118, 199, 217, 185, 126, 251, 180, 57, 182, 179, 141, 130, 186, 83, 216, 27, 65, 97, 33) (10, 162, 241, 87, 95, 136, 67, 153, 80, 110, 61, 132, 56, 39, 76, 30, 144, 20, 116, 66, 177) (11, 260, 121, 190, 163, 227, 17, 107, 127, 244, 128, 18, 26, 143, 152, 172, 34, 258, 86, 205, 259) (13, 53, 229, 63, 32, 88, 169, 58, 228, 238, 36, 189, 21, 112, 264, 195, 201, 84, 16, 239, 147) (14, 150, 210, 91, 133, 142, 209, 135, 248, 94, 194, 256, 101, 176, 243, 64, 134, 54, 191, 206, 70) (15, 99, 197, 148, 266, 207, 47, 224, 82, 232, 28, 272, 113, 231, 192, 188, 275, 269, 236, 71, 137) (22, 215, 41, 211, 159, 268, 156, 204, 183, 167, 55, 247, 276, 200, 170, 44, 81, 187, 161, 96, 174) (146, 184, 225).

The representatives of conjugacy classes of $G^{s_{19}}$ are:

() , (1, 19, 271, 48, 43, 249, 52, 154, 168, 203, 220, 111, 254, 46, 72, 145, 90, 100, 157, 24, 218) (2, 114, 213, 262, 68, 120, 109, 4, 85, 181, 158, 50, 98, 240, 175, 234, 219, 261, 164, 178, 106) (3, 245, 250, 105, 9, 78, 193, 74, 252, 173, 255, 233, 45, 166, 35, 196, 89, 102, 270, 221, 79) (5, 246, 208, 38, 62, 149, 257, 198, 230, 59, 75, 25, 77, 273, 223, 267, 23, 37, 115, 42, 155) (6, 51, 235, 226, 123, 108, 265, 138, 12, 263, 60, 165, 129, 29, 274, 214, 140, 92, 131, 104, 125) (7, 139, 103, 212, 151, 124, 117, 222, 253, 160, 119, 122, 202, 171, 69, 237, 73, 49, 242, 31, 93) (8, 130, 185, 65, 182, 118, 83, 251, 33, 141, 217, 27, 57, 40, 186, 126, 97, 179, 199, 216, 180) (10, 39, 136, 116, 61, 241, 30, 153, 177, 56, 95, 20, 110, 162, 76, 67, 66, 132, 87, 144, 80) (11, 143, 227, 86, 128, 121, 172, 107, 259, 26, 163, 258, 244, 260, 152, 17, 205, 18, 190, 34, 127) (13, 112, 88, 16, 36, 229, 195, 58, 147, 21, 32, 84, 238, 53, 264, 169, 239, 189, 63, 201, 228) ([...]) , (1, 24, 100, 145, 46, 111, 203, 154, 249, 48, 19, 218, 157, 90, 72, 254, 220, 168, 52, 43, 271) (2, 178, 261, 234, 240, 50, 181, 4, 120, 262, 114, 106, 164, 219, 175, 98, 158, 85, 109, 68, 213) (3, 221, 102, 196, 166, 233, 173, 74, 78, 105, 245, 79, 270, 89, 35, 45, 255, 252, 193, 9, 250) (5, 42, 37, 267, 273, 25, 59, 198, 149, 38, 246, 155, 115, 23, 223, 77, 75, 230, 257, 62, 208) (6, 104, 92, 214, 29, 165, 263, 138, 108, 226, 51, 125, 131, 140, 274, 129, 60, 12, 265, 123, 235) (7, 31, 49, 237, 171, 122, 160, 222, 124, 212, 139, 93, 242, 73, 69, 202, 119, 253, 117, 151, 103) (8, 216, 179, 126, 40, 27, 141, 251, 118, 65, 130, 180, 199, 97, 186, 57, 217, 33, 83, 182, 185) (10, 144, 132, 67, 162, 20, 56, 153, 241, 116, 39, 80, 87, 66, 76, 110, 95, 177, 30, 61, 136) (11, 34, 18, 17, 260, 258, 26, 107, 121, 86, 143, 127, 190, 205, 152, 244, 163, 259, 172, 128, 227) (13, 201, 189, 169, 53, 84, 21, 58, 229, 16, 112, 228, 63, 239, 264, 238, 32, 147, 195, 36, 88) ([...]) , (1, 43, 168, 254, 90, 218, 48, 154, 111, 145, 24, 271, 52, 220, 72, 157, 19, 249, 203, 46, 100) (2, 68, 85, 98, 219, 106, 262, 4, 50, 234, 178, 213, 109, 158, 175, 164, 114, 120, 181, 240, 261) (3, 9, 252, 45, 89, 79, 105, 74, 233, 196, 221, 250, 193, 255, 35, 270, 245, 78, 173, 166, 102) (5, 62, 230, 77, 23, 155, 38, 198, 25, 267, 42, 208, 257, 75, 223, 115, 246, 149, 59, 273, 37) (6, 123, 12, 129, 140, 125, 226, 138, 165, 214, 104, 235, 265, 60, 274, 131, 51, 108, 263, 29, 92) (7, 151, 253, 202, 73, 93, 212, 222, 122, 237, 31, 103, 117, 119, 69, 242, 139, 124, 160, 171, 49) (8, 182, 33, 57, 97, 180, 65, 251, 27, 126, 216, 185, 83, 217, 186, 199, 130, 118, 141, 40, 179) (10, 61, 177, 110, 66, 80, 116, 153, 20, 67, 144, 136, 30, 95, 76, 87, 39, 241, 56, 162, 132) (11, 128, 259, 244, 205, 127, 86, 107, 258, 17, 34, 227, 172, 163, 152, 190, 143, 121, 26, 260, 18) (13, 36, 147, 238, 239, 228, 16, 58, 84, 169, 201, 88, 195, 32, 264, 63, 112, 229, 21, 53, 189) ([...]) , (1, 46, 249, 157, 220, 271, 145, 154, 218, 254, 43, 100, 203, 19, 72, 52, 24, 111, 48, 90, 168) (2, 240, 120, 164, 158, 213, 234, 4, 106, 98, 68, 261, 181, 114, 175, 109, 178, 50, 262, 219, 85) (3, 166, 78, 270, 255, 250, 196, 74, 79, 45, 9, 102, 173, 245, 35, 193, 221, 233, 105, 89, 252) (5, 273, 149, 115, 75, 208, 267, 198, 155, 77, 62, 37, 59, 246, 223, 257, 42, 25, 38, 23, 230) (6, 29, 108, 131, 60, 235, 214, 138, 125, 129, 123, 92, 263, 51, 274, 265, 104, 165, 226, 140, 12) (7, 171, 124, 242, 119, 103, 237, 222, 93, 202, 151, 49, 160, 139, 69, 117, 31, 122, 212, 73, 253) (8, 40, 118, 199, 217, 185, 126, 251, 180, 57, 182, 179, 141, 130, 186, 83, 216, 27, 65, 97, 33) (10, 162, 241, 87, 95, 136, 67, 153, 80, 110, 61, 132, 56, 39, 76, 30, 144, 20, 116, 66, 177) (11, 260, 121, 190, 163, 227, 17, 107, 127, 244, 128, 18, 26, 143, 152, 172, 34, 258, 86, 205, 259) (13, 53, 229, 63, 32, 88, 169, 58, 228, 238, 36, 189, 21, 112, 264, 195, 201, 84, 16, 239, 147) ([...]) , (1, 48, 52, 203, 254, 145, 157) (2, 262, 109, 181, 98, 234, 164) (3, 105, 193, 173, 45, 196, 270) (4, 158, 240, 219, 178, 114, 68) (5, 38, 257, 59, 77, 267, 115) (6, 226, 265, 263, 129, 214, 131) (7, 212, 117, 160, 202, 237, 242) (8, 65, 83, 141, 57,

126, 199) (9, 74, 255, 166, 89, 221, 245) (10, 116, 30, 56, 110, 67, 87) (11, 86, 172, 26, 244, 17, 190) (12, 165, 274, 92, 125, 235, 108) (13, 16, 195, 21, 238, 169, 63) (14, 191, 64, 101, 94, 209, 91) (15, 236, 188, 113, 232, 47, 148) (18, 127, 227, 121, 259, 258, 152) (19, 43, 154, 220, 46, 90, 24) (20, 76, 132, 80, 136, 241, 177) (22, 161, 44, 276, 167, 156, 211) (23, 42, 246, 62, 198, 75, 273) (25, 223, 37, 155, 208, 149, 230) (27, 186, 179, 180, 185, 118, 33) (28, 224, 266, 99, 71, 275, 231) (29, 140, 104, 51, 123, 138, 60) (31, 139, 151, 222, 119, 171, 73) (32, 53, 239, 201, 112, 36, 58) (34, 143, 128, 107, 163, 260, 205) (35, 102, 79, 250, 78, 252, 233) (39, 61, 153, 95, 162, 66, 144) ([...]) , (1, 52, 254, 157, 48, 203, 145) (2, 109, 98, 164, 262, 181, 234) (3, 193, 45, 270, 105, 173, 196) (4, 240, 178, 68, 158, 219, 114) (5, 257, 77, 115, 38, 59, 267) (6, 265, 129, 131, 226, 263, 214) (7, 117, 202, 242, 212, 160, 237) (8, 83, 57, 199, 65, 141, 126) (9, 255, 89, 245, 74, 166, 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205, 86, 258, 34, 172, 152, 143, 26, 18, 128, 244, 127, 107, 17, 227, 163, 190, 121, 260) (13, 147, 239, 16, 84, 201, 195, 264, 112, 21, 189, 36, 238, 228, 58, 169, 88, 32, 63, 229, 53) ([...]) , (1, 203, 157, 52, 145, 48, 254) (2, 181, 164, 109, 234, 262, 98) (3, 173, 270, 193, 196, 105, 45) (4, 219, 68, 240, 114, 158, 178) (5, 59, 115, 257, 267, 38, 77) (6, 263, 131, 265, 214, 226, 129) (7, 160, 242, 117, 237, 212, 202) (8, 141, 199, 83, 126, 65, 57) (9, 166, 245, 255, 221, 74, 89) (10, 56, 87, 30, 67, 116, 110) (11, 26, 190, 172, 17, 86, 244) (12, 92, 108, 274, 235, 165, 125) (13, 21, 63, 195, 169, 16, 238) (14, 101, 91, 64, 209, 191, 94) (15, 113, 148, 188, 47, 236, 232) (18, 121, 152, 227, 258, 127, 259) (19, 220, 24, 154, 90, 43, 46) (20, 80, 177, 132, 241, 76, 136) (22, 276, 211, 44, 156, 161, 167) (23, 62, 273, 246, 75, 42, 198) (25, 155, 230, 37, 149, 223, 208) (27, 180, 33, 179, 118, 186, 185) (28, 99, 231, 266, 275, 224, 71) (29, 51, 60, 104, 138, 140, 123) (31, 222, 73, 151, 171, 139, 119) (32, 201, 58, 239, 36, 53, 112) (34, 107, 205, 128, 260, 143, 163) (35, 250, 233, 79, 252, 102, 78) (39, 95, 144, 153, 66, 61, 162) ([...]) , (1, 218, 24, 157, 100, 90, 145, 72, 46, 254, 111, 220, 203, 168, 154, 52, 249, 43, 48, 271, 19) (2, 106, 178, 164, 261, 219, 234, 175, 240, 98,

50, 158, 181, 85, 4, 109, 120, 68, 262, 213, 114) (3, 79, 221, 270, 102, 89, 196, 35, 166, 45, 233, 255, 173, 252, 74, 193, 78, 9, 105, 250, 245) (5, 155, 42, 115, 37, 23, 267, 223, 273, 77, 25, 75, 59, 230, 198, 257, 149, 62, 38, 208, 246) (6, 125, 104, 131, 92, 140, 214, 274, 29, 129, 165, 60, 263, 12, 138, 265, 108, 123, 226, 235, 51) (7, 93, 31, 242, 49, 73, 237, 69, 171, 202, 122, 119, 160, 253, 222, 117, 124, 151, 212, 103, 139) (8, 180, 216, 199, 179, 97, 126, 186, 40, 57, 27, 217, 141, 33, 251, 83, 118, 182, 65, 185, 130) (10, 80, 144, 87, 132, 66, 67, 76, 162, 110, 20, 95, 56, 177, 153, 30, 241, 61, 116, 136, 39) (11, 127, 34, 190, 18, 205, 17, 152, 260, 244, 258, 163, 26, 259, 107, 172, 121, 128, 86, 227, 143) (13, 228, 201, 63, 189, 239, 169, 264, 53, 238, 84, 32, 21, 147, 58, 195, 229, 36, 16, 88, 112) ([...]) , (1, 220, 218, 203, 24, 168, 157, 154, 100, 52, 90, 249, 145, 43, 72, 48, 46, 271, 254, 19, 111) (2, 158, 106, 181, 178, 85, 164, 4, 261, 109, 219, 120, 234, 68, 175, 262, 240, 213, 98, 114, 50) (3, 255, 79, 173, 221, 252, 270, 74, 102, 193, 89, 78, 196, 9, 35, 105, 166, 250, 45, 245, 233) (5, 75, 155, 59, 42, 230, 115, 198, 37, 257, 23, 149, 267, 62, 223, 38, 273, 208, 77, 246, 25) (6, 60, 125, 263, 104, 12, 131, 138, 92, 265, 140, 108, 214, 123, 274, 226, 29, 235, 129, 51, 165) (7, 119, 93, 160, 31, 253, 242, 222, 49, 117, 73, 124, 237, 151, 69, 212, 171, 103, 202, 139, 122) (8, 217, 180, 141, 216, 33, 199, 251, 179, 83, 97, 118, 126, 182, 186, 65, 40, 185, 57, 130, 27) (10, 95, 80, 56, 144, 177, 87, 153, 132, 30, 66, 241, 67, 61, 76, 116, 162, 136, 110, 39, 20) (11, 163, 127, 26, 34, 259, 190, 107, 18, 172, 205, 121, 17, 128, 152, 86, 260, 227, 244, 143, 258) (13, 32, 228, 21, 201, 147, 63, 58, 189, 195, 239, 229, 169, 36, 264, 16, 53, 88, 238, 112, 84) ([...]) , (1, 249, 220, 145, 218, 43, 203, 72, 24, 48, 168, 46, 157, 271, 154, 254, 100, 19, 52, 111, 90) (2, 120, 158, 234, 106, 68, 181, 175, 178, 262, 85, 240, 164, 213, 4, 98, 261, 114, 109, 50, 219) (3, 78, 255, 196, 79, 9, 173, 35, 221, 105, 252, 166, 270, 250, 74, 45, 102, 245, 193, 233, 89) (5, 149, 75, 267, 155, 62, 59, 223, 42, 38, 230, 273, 115, 208, 198, 77, 37, 246, 257, 25, 23) (6, 108, 60, 214, 125, 123, 263, 274, 104, 226, 12, 29, 131, 235, 138, 129, 92, 51, 265, 165, 140) (7, 124, 119, 237, 93, 151, 160, 69, 31, 212, 253, 171, 242, 103, 222, 202, 49, 139, 117, 122, 73) (8, 118, 217, 126, 180, 182, 141, 186, 216, 65, 33, 40, 199, 185, 251, 57, 179, 130, 83, 27, 97) (10, 241, 95, 67, 80, 61, 56, 76, 144, 116, 177, 162, 87, 136, 153, 110, 132, 39, 30, 20, 66) (11, 121, 163, 17, 127, 128, 26, 152, 34, 86, 259, 260, 190, 227, 107, 244, 18, 143, 172, 258, 205) (13, 229, 32, 169, 228, 36, 21, 264, 201, 16, 147, 53, 63, 88, 58, 238, 189, 112, 195, 84, 239) ([...]) , (1, 254, 48, 145, 52, 157, 203) (2, 98, 262, 234, 109, 164, 181) (3, 45, 105, 196, 193, 270, 173) (4, 178, 158, 114, 240, 68, 219) (5, 77, 38, 267, 257, 115, 59) (6, 129, 226, 214, 265, 131, 263) (7, 202, 212, 237, 117, 242, 160) (8, 57, 65, 126, 83, 199, 141) (9, 89, 74, 221, 255, 245, 166) (10, 110, 116, 67, 30, 87, 56) (11, 244, 86, 17, 172, 190, 26) (12, 125, 165, 235, 274, 108, 92) (13, 238, 16, 169, 195, 63, 21) (14, 94, 191, 209, 64, 91, 101) (15, 232, 236, 47, 188, 148, 113) (18, 259, 127, 258, 227, 152, 121) (19, 46, 43, 90, 154, 24, 220) (20, 136, 76, 241, 132, 177, 80) (22, 167, 161, 156, 44, 211, 276) (23, 198, 42, 75, 246, 273, 62) (25, 208, 223, 149, 37, 230, 155) (27, 185, 186, 118, 179, 33, 180) (28, 71, 224, 275, 266, 231, 99) (29, 123, 140, 138, 104, 60, 51) (31, 119, 139, 171, 151, 73, 222) (32, 112, 53, 36, 239, 58, 201) (34, 163, 143, 260, 128, 205, 107) (35, 78, 102, 252, 79, 233, 250) (39, 162, 61, 66, 153, 144, 95) ([...]) , (1, 271, 43, 52, 168, 220, 254, 72, 90, 157, 218, 19, 48, 249, 154, 203, 111, 46, 145, 100, 24) (2, 213, 68, 109, 85, 158, 98, 175, 219, 164, 106, 114, 262, 120, 4, 181, 50, 240, 234, 261, 178) (3, 250, 9, 193, 252, 255, 45, 35, 89, 270, 79, 245, 105, 78, 74, 173, 233, 166, 196, 102, 221) (5, 208, 62, 257, 230, 75, 77, 223, 23, 115, 155, 246, 38, 149, 198, 59, 25, 273, 267, 37, 42) (6, 235, 123, 265, 12, 60, 129, 274, 140, 131, 125, 51, 226, 108, 138, 263, 165, 29, 214, 92, 104) (7, 103, 151, 117, 253, 119, 202, 69, 73, 242, 93, 139, 212, 124, 222, 160, 122, 171, 237, 49, 31) (8, 185, 182, 83, 33, 217, 57, 186, 97, 199, 180, 130, 65, 118, 251, 141, 27, 40, 126, 179, 216) (10, 136, 61, 30, 177, 95, 110, 76, 66, 87, 80, 39, 116, 241, 153, 56, 20, 162, 67, 132, 144) (11, 227, 128, 172, 259, 163, 244, 152, 205, 190, 127, 143, 86, 121, 107, 26, 258, 260, 17, 18, 34) (13, 88, 36, 195, 147, 32, 238, 264, 239, 63, 228, 112, 16, 229, 58, 21, 84, 53, 169, 189, 201) ([...]) .

The character table of $G^{s_{19}}$:

	10										20										
$\chi_{19}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
$\chi_{19}^{(2)}$	1	A	A	A	A	1	1	/A	A	/A	/A	1	A	1	/A	1	/A	A	/A	1	/A
$\chi_{19}^{(3)}$	1	/A	/A	/A	/A	1	1	A	/A	A	A	1	/A	1	A	1	A	/A	A	1	A
$\chi_{19}^{(4)}$	1	B	/E	/H	/B	H	/B	1	E	H	/H	B	1	/H	B	E	/B	H	/E	/E	E
$\chi_{19}^{(5)}$	1	C	/G	/J	/D	H	/B	/A	F	J	/I	B	A	/H	D	E	/C	I	/F	/E	G
$\chi_{19}^{(6)}$	1	D	/F	/I	/C	H	/B	A	G	I	/J	B	/A	/H	C	E	/D	J	/G	/E	F
$\chi_{19}^{(7)}$	1	E	H	B	/E	/B	/E	1	/H	/B	B	E	1	B	E	/H	/E	/B	H	H	/H
$\chi_{19}^{(8)}$	1	F	I	C	/G	/B	/E	/A	/J	/C	D	E	A	B	G	/H	/F	/D	J	H	/I
$\chi_{19}^{(9)}$	1	G	J	D	/F	/B	/E	A	/I	/D	C	E	/A	B	F	/H	/G	/C	I	H	/J
$\chi_{19}^{(10)}$	1	H	B	/E	/H	E	/H	1	/B	E	/E	H	1	/E	H	/B	/H	E	B	B	/B
$\chi_{19}^{(11)}$	1	I	C	/G	/J	E	/H	/A	/D	G	/F	H	A	/E	J	/B	/I	F	D	B	/C
$\chi_{19}^{(12)}$	1	J	D	/F	/I	E	/H	A	/C	F	/G	H	/A	/E	I	/B	/J	G	C	B	/D
$\chi_{19}^{(13)}$	1	/H	/B	E	H	/E	H	1	B	/E	E	/H	1	E	/H	B	H	/E	/B	/B	B
$\chi_{19}^{(14)}$	1	/J	/D	F	I	/E	H	/A	C	/F	G	/H	A	E	/I	B	J	/G	/C	/B	D
$\chi_{19}^{(15)}$	1	/I	/C	G	J	/E	H	A	D	/G	F	/H	/A	E	/J	B	I	/F	/D	/B	C
$\chi_{19}^{(16)}$	1	/E	/H	/B	E	B	E	1	H	B	/B	/E	1	/B	/E	H	E	B	/H	/H	H
$\chi_{19}^{(17)}$	1	/G	/J	/D	F	B	E	/A	I	D	/C	/E	A	/B	/F	H	G	C	/I	/H	J
$\chi_{19}^{(18)}$	1	/F	/I	/C	G	B	E	A	J	C	/D	/E	/A	/B	/G	H	F	D	/J	/H	I
$\chi_{19}^{(19)}$	1	/B	E	H	B	/H	B	1	/E	/H	H	/B	1	H	/B	/E	B	/H	E	E	/E
$\chi_{19}^{(20)}$	1	/D	F	I	C	/H	B	/A	/G	/I	J	/B	A	H	/C	/E	D	/J	G	E	/F
$\chi_{19}^{(21)}$	1	/C	G	J	D	/H	B	A	/F	/J	I	/B	/A	H	/D	/E	C	/I	F	E	/G

where $A=E(3) = (-1+ER(-3))/2=b_3$; $B=E(7)^2$; $C=E(21)^{13}$; $D=E(21)^{20}$; $E=E(7)^4$; $F=E(21)^{19}$; $G=E(21)^5$; $H=E(7)^6$; $I=E(21)^4$; $J=E(21)^{11}$.

The generators of $G^{s_{20}}$ are:

(1, 157, 145, 254, 203, 52, 48) (2, 164, 234, 98, 181, 109, 262) (3, 270, 196, 45, 173, 193, 105) (4, 68, 114, 178, 219, 240, 158) (5, 115, 267, 77, 59, 257, 38) (6, 131, 214, 129, 263, 265, 226) (7, 242, 237, 202, 160, 117, 212) (8, 199, 126, 57, 141, 83, 65) (9, 245, 221, 89, 166, 255, 74) (10, 87, 67, 110, 56, 30, 116) (11, 190, 17, 244, 26, 172, 86) (12, 108, 235, 125, 92, 274, 165) (13, 63, 169, 238, 21, 195, 16) (14, 91, 209, 94, 101, 64, 191) (15, 148, 47, 232, 113, 188, 236) (18, 152, 258, 259, 121, 227, 127) (19, 24, 90, 46, 220, 154, 43) (20, 177, 241, 136, 80, 132, 76) (22, 211, 156, 167, 276, 44, 161) (23, 273, 75, 198, 62, 246, 42) (25, 230, 149, 208, 155, 37, 223) (27, 33, 118, 185, 180, 179, 186) (28, 231, 275, 71, 99, 266, 224) (29, 60, 138, 123, 51, 104, 140) (31, 73, 171, 119, 222, 151, 139) (32, 58, 36, 112, 201, 239, 53) (34, 205, 260, 163, 107, 128, 143) (35, 233, 252, 78, 250, 79, 102) (39, 144, 66, 162, 95, 153, 61) (40, 217, 251, 182, 130, 216, 97) (41, 268, 183, 247, 170, 187, 174) (49, 69, 122, 253, 124, 103, 93) (50, 85, 120, 213, 106, 261, 175) (54, 70, 210, 142, 248, 256, 243) (55, 200, 81, 96, 215, 159, 204) (72, 111, 168, 249, 271, 218, 100) (82, 272, 192, 269, 137, 197, 207) (84, 147, 229, 88, 228, 189, 264) (133, 135, 194, 176, 134, 206, 150) , (1, 7, 254, 202, 48, 212, 145, 237, 52, 117, 157, 242, 203, 160) (2, 267, 98, 257, 262, 115, 234, 59, 109, 5, 164, 77, 181, 38) (3, 44, 45, 211, 105, 276, 196, 22, 193, 167, 270, 161, 173, 156) (4, 230, 178, 155, 158, 25, 114, 208, 240, 223, 68, 149, 219, 37) (6, 116, 129, 67, 226, 30, 214, 87, 265, 56, 131, 10, 263, 110) (8, 83, 57, 199, 65, 141, 126) (9, 247, 89, 174, 74, 183, 221, 187, 255, 268, 245, 170, 166, 41) (11, 172, 244, 190, 86, 26, 17) (12, 61, 125, 66, 165, 153, 235, 144, 274, 95, 108, 39, 92, 162) (13, 53, 238, 36, 16, 239, 169, 58, 195, 201, 63, 32, 21, 112) (14, 150, 94, 194, 191, 206, 209, 135, 64, 134, 91, 133, 101, 176) (15, 188, 232, 148, 236, 113, 47) (18, 205, 259, 107, 127, 34, 258, 163, 227, 143, 152, 260, 121, 128) (19, 253, 46, 93, 43, 122, 90, 103, 154, 69, 24, 124, 220, 49) (20, 29, 136, 123, 76, 140, 241, 138, 132, 104, 177, 60, 80, 51) (23, 106, 198, 50, 42, 213, 75, 175, 246, 120, 273, 261, 62, 85) (27, 217, 185, 130, 186, 40, 118, 182, 179, 97, 33, 251, 180, 216) (28,

272, 71, 137, 224, 82, 275, 269, 266, 207, 231, 192, 99, 197) (31, 100, 119, 168, 139, 218, 171, 111, 151, 271, 73, 72, 222, 249) (35, 215, 78, 55, 102, 96, 252, 204, 79, 81, 233, 159, 250, 200) (54, 256, 142, 70, 243, 248, 210) (84, 189, 88, 147, 264, 228, 229) (146, 184) , (1, 19, 271, 48, 43, 249, 52, 154, 168, 203, 220, 111, 254, 46, 72, 145, 90, 100, 157, 24, 218) (2, 114, 213, 262, 68, 120, 109, 4, 85, 181, 158, 50, 98, 240, 175, 234, 219, 261, 164, 178, 106) (3, 245, 250, 105, 9, 78, 193, 74, 252, 173, 255, 233, 45, 166, 35, 196, 89, 102, 270, 221, 79) (5, 246, 208, 38, 62, 149, 257, 198, 230, 59, 75, 25, 77, 273, 223, 267, 23, 37, 115, 42, 155) (6, 51, 235, 226, 123, 108, 265, 138, 12, 263, 60, 165, 129, 29, 274, 214, 140, 92, 131, 104, 125) (7, 139, 103, 212, 151, 124, 117, 222, 253, 160, 119, 122, 202, 171, 69, 237, 73, 49, 242, 31, 93) (8, 130, 185, 65, 182, 118, 83, 251, 33, 141, 217, 27, 57, 40, 186, 126, 97, 179, 199, 216, 180) (10, 39, 136, 116, 61, 241, 30, 153, 177, 56, 95, 20, 110, 162, 76, 67, 66, 132, 87, 144, 80) (11, 143, 227, 86, 128, 121, 172, 107, 259, 26, 163, 258, 244, 260, 152, 17, 205, 18, 190, 34, 127) (13, 112, 88, 16, 36, 229, 195, 58, 147, 21, 32, 84, 238, 53, 264, 169, 239, 189, 63, 201, 228) (14, 176, 142, 191, 194, 210, 64, 135, 70, 101, 133, 54, 94, 150, 243, 209, 206, 256, 91, 134, 248) (15, 231, 207, 236, 28, 197, 188, 224, 137, 113, 266, 269, 232, 99, 192, 47, 71, 272, 148, 275, 82) (22, 200, 268, 161, 55, 41, 44, 204, 174, 276, 159, 187, 167, 215, 170, 156, 96, 247, 211, 81, 183) (146, 184, 225) .

The representatives of conjugacy classes of $G^{s_{20}}$ are:

() , (1, 7, 254, 202, 48, 212, 145, 237, 52, 117, 157, 242, 203, 160) (2, 267, 98, 257, 262, 115, 234, 59, 109, 5, 164, 77, 181, 38) (3, 44, 45, 211, 105, 276, 196, 22, 193, 167, 270, 161, 173, 156) (4, 230, 178, 155, 158, 25, 114, 208, 240, 223, 68, 149, 219, 37) (6, 116, 129, 67, 226, 30, 214, 87, 265, 56, 131, 10, 263, 110) (8, 83, 57, 199, 65, 141, 126) (9, 247, 89, 174, 74, 183, 221, 187, 255, 268, 245, 170, 166, 41) (11, 172, 244, 190, 86, 26, 17) (12, 61, 125, 66, 165, 153, 235, 144, 274, 95, 108, 39, 92, 162) (13, 53, 238, 36, 16, 239, 169, 58, 195, 201, 63, 32, 21, 112) (14, 150, 94, 194, 191, 206, 209, 135, 64, 134, 91, 133, 101, 176) (15, 188, 232, 148, 236, 113, 47) (18, 205, 259, 107, 127, 34, 258, 163, 227, 143, 152, 260, 121, 128) (19, 253, 46, 93, 43, 122, 90, 103, 154, 69, 24, 124, 220, 49) (20, 29, 136, 123, 76, 140, 241, 138, 132, 104, 177, 60, 80, 51) (23, 106, 198, 50, 42, 213, 75, 175, 246, 120, 273, 261, 62, 85) ([...]) , (1, 19, 271, 48, 43, 249, 52, 154, 168, 203, 220, 111, 254, 46, 72, 145, 90, 100, 157, 24, 218) (2, 114, 213, 262, 68, 120, 109, 4, 85, 181, 158, 50, 98, 240, 175, 234, 219, 261, 164, 178, 106) (3, 245, 250, 105, 9, 78, 193, 74, 252, 173, 255, 233, 45, 166, 35, 196, 89, 102, 270, 221, 79) (5, 246, 208, 38, 62, 149, 257, 198, 230, 59, 75, 25, 77, 273, 223, 267, 23, 37, 115, 42, 155) (6, 51, 235, 226, 123, 108, 265, 138, 12, 263, 60, 165, 129, 29, 274, 214, 140, 92, 131, 104, 125) (7, 139, 103, 212, 151, 124, 117, 222, 253, 160, 119, 122, 202, 171, 69, 237, 73, 49, 242, 31, 93) (8, 130, 185, 65, 182, 118, 83, 251, 33, 141, 217, 27, 57, 40, 186, 126, 97, 179, 199, 216, 180) (10, 39, 136, 116, 61, 241, 30, 153, 177, 56, 95, 20, 110, 162, 76, 67, 66, 132, 87, 144, 80) (11, 143, 227, 86, 128, 121, 172, 107, 259, 26, 163, 258, 244, 260, 152, 17, 205, 18, 190, 34, 127) (13, 112, 88, 16, 36, 229, 195, 58, 147, 21, 32, 84, 238, 53, 264, 169, 239, 189, 63, 201, 228) ([...]) , (1, 24, 100, 145, 46, 111, 203, 154, 249, 48, 19, 218, 157, 90, 72, 254, 220, 168, 52, 43, 271) (2, 178, 261, 234, 240, 50, 181, 4, 120, 262, 114, 106, 164, 219, 175, 98, 158, 85, 109, 68, 213) (3, 221, 102, 196, 166, 233, 173, 74, 78, 105, 245, 79, 270, 89, 35, 45, 255, 252, 193, 9, 250) (5, 42, 37, 267, 273, 25, 59, 198, 149, 38, 246, 155, 115, 23, 223, 77, 75, 230, 257, 62, 208) (6, 104, 92, 214, 29, 165, 263, 138, 108, 226, 51, 125, 131, 140, 274, 129, 60, 12, 265, 123, 235) (7, 31, 49, 237, 171, 122, 160, 222, 124, 212, 139, 93, 242, 73, 69, 202, 119, 253, 117, 151, 103) (8, 216, 179, 126, 40, 27, 141, 251, 118, 65, 130, 180, 199, 97, 186, 57, 217, 33, 83, 182, 185) (10, 144, 132, 67, 162, 20, 56, 153, 241, 116, 39, 80, 87, 66, 76, 110, 95, 177, 30, 61, 136) (11, 34, 18, 17, 260, 258, 26, 107, 121, 86, 143, 127, 190, 205, 152, 244, 163, 259, 172, 128, 227) (13, 201, 189, 169, 53, 84, 21, 58, 229, 16, 112, 228, 63, 239, 264, 238, 32, 147, 195, 36, 88) ([...]) , (1, 31, 145, 171, 203, 222, 48, 139, 157, 73, 254, 119, 52, 151) (2, 273, 234, 198, 181, 246, 262, 23, 164, 75, 98, 62, 109, 42) (3, 55, 196, 81, 173, 215, 105, 204, 270, 200, 45, 96, 193, 159) (4, 257, 114, 5, 219, 267, 158, 59, 68, 38, 178, 115, 240, 77) (6, 39, 214, 66, 263, 95, 226, 61, 131, 144, 129, 162, 265, 153) (7, 220, 237, 43, 160, 24, 212, 46, 242, 154, 202, 19, 117, 90) (8, 182, 126, 216, 141, 40, 65, 251, 199, 130, 57, 97, 83, 217) (9, 156, 221, 276, 166, 161, 74, 211, 245, 167, 89, 44, 255, 22) (10, 138, 67, 51, 56, 140, 116, 60, 87, 123, 110, 104, 30, 29) (11, 128, 17, 34, 26, 260, 86, 107, 190, 143, 244, 205, 172, 163) (12, 136, 235, 132, 92, 20, 165, 241, 108, 80, 125, 76, 274,

177) (13, 84, 169, 229, 21, 228, 16, 264, 63, 147, 238, 88, 195, 189) (14, 54, 209, 210, 101, 248, 191, 243, 91, 70, 94, 142, 64, 256) (15, 28, 47, 275, 113, 99, 236, 224, 148, 231, 232, 71, 188, 266) (18, 152, 258, 259, 121, 227, 127) ([...]) , (1, 43, 168, 254, 90, 218, 48, 154, 111, 145, 24, 271, 52, 220, 72, 157, 19, 249, 203, 46, 100) (2, 68, 85, 98, 219, 106, 262, 4, 50, 234, 178, 213, 109, 158, 175, 164, 114, 120, 181, 240, 261) (3, 9, 252, 45, 89, 79, 105, 74, 233, 196, 221, 250, 193, 255, 35, 270, 245, 78, 173, 166, 102) (5, 62, 230, 77, 23, 155, 38, 198, 25, 267, 42, 208, 257, 75, 223, 115, 246, 149, 59, 273, 37) (6, 123, 12, 129, 140, 125, 226, 138, 165, 214, 104, 235, 265, 60, 274, 131, 51, 108, 263, 29, 92) (7, 151, 253, 202, 73, 93, 212, 222, 122, 237, 31, 103, 117, 119, 69, 242, 139, 124, 160, 171, 49) (8, 182, 33, 57, 97, 180, 65, 251, 27, 126, 216, 185, 83, 217, 186, 199, 130, 118, 141, 40, 179) (10, 61, 177, 110, 66, 80, 116, 153, 20, 67, 144, 136, 30, 95, 76, 87, 39, 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183) (80, 235) (86, 163) (87, 138) (89, 276) (90, 212) (93, 249) (94, 210) (95, 265) (96, 173) (97, 141) (98, 198) (99, 188) (100, 122) (101, 142) (102, 247) (103, 168) (105, 159) (106, 230) (108, 136) (109, 246) (111, 124) (115, 219) (119, 203) (120, 223) (125, 132) (126, 130) (128, 190) (144, 214) (146, 225) (147, 169) (149, 261) (153, 226) (154, 237) (156, 245) (161, 255) ([...]) , (1, 145, 203, 48, 157, 254, 52) (2, 234, 181, 262, 164, 98, 109) (3, 196, 173, 105, 270, 45, 193) (4, 114, 219, 158, 68, 178, 240) (5, 267, 59, 38, 115, 77, 257) (6, 214, 263, 226, 131, 129, 265) (7, 237, 160, 212, 242, 202, 117) (8, 126, 141, 65, 199, 57, 83) (9, 221, 166, 74, 245, 89, 255) (10, 67, 56, 116, 87, 110, 30) (11, 17, 26, 86, 190, 244, 172) (12, 235, 92, 165, 108, 125, 274) (13, 169, 21, 16, 63, 238, 195) (14, 209, 101, 191, 91, 94, 64) (15, 47, 113, 236, 148, 232, 188) (18, 258, 121, 127, 152, 259, 227) (19, 90, 220, 43, 24, 46, 154) (20, 241, 80, 76, 177, 136, 132) (22, 156, 276, 161, 211, 167, 44) (23, 75, 62, 42, 273, 198, 246) (25, 149, 155, 223, 230, 208, 37) (27, 118, 180, 186, 33, 185, 179) (28, 275, 99, 224, 231, 71, 266) (29, 138, 51, 140, 60, 123, 104) (31, 171, 222, 139, 73, 119, 151) (32, 36, 201, 53, 58, 112, 239) (34, 260, 107, 143, 205, 163, 128) (35, 252, 250, 102, 233, 78, 79) (39, 66, 95, 61, 144, 162, 153) ([...]) , (1, 157, 145, 254, 203, 52, 48) (2, 164, 234, 98, 181, 109, 262) (3, 270, 196, 45, 173, 193, 105) (4, 68, 114, 178, 219, 240, 158) (5, 115, 267, 77, 59, 257, 38) (6, 131, 214, 129, 263, 265, 226) (7, 242, 237, 202, 160, 117, 212) (8, 199, 126, 57, 141, 83, 65) (9, 245, 221, 89, 166, 255, 74) (10, 87, 67, 110, 56, 30, 116) (11, 190, 17, 244, 26, 172, 86) (12, 108, 235, 125, 92, 274, 165) (13, 63, 169, 238, 21, 195, 16) (14, 91, 209, 94, 101, 64, 191) (15, 148, 47, 232, 113, 188, 236) (18, 152, 258, 259, 121, 227, 127) (19, 24, 90, 46, 220, 154, 43) (20, 177, 241, 136, 80, 132, 76) (22, 211, 156, 167, 276, 44, 161) (23, 273, 75, 198, 62, 246, 42) (25, 230, 149, 208, 155, 37, 223) (27, 33, 118, 185, 180, 179, 186) (28, 231, 275, 71, 99, 266, 224) (29, 60, 138, 123, 51, 104, 140) (31, 73, 171, 119, 222, 151, 139) (32, 58, 36, 112, 201, 239, 53) (34, 205, 260, 163, 107, 128, 143) (35, 233, 252, 78, 250, 79, 102) (39, 144, 66, 162, 95, 153, 61) ([...]) , (1, 203, 157, 52, 145, 48, 254) (2, 181, 164, 109, 234, 262, 98) (3, 173, 270, 193, 196, 105, 45) (4, 219, 68, 240, 114, 158, 178) (5, 59, 115, 257, 267, 38, 77) (6, 263, 131, 265, 214, 226, 129) (7, 160, 242, 117, 237, 212, 202) (8, 141, 199, 83, 126, 65, 57) (9, 166, 245, 255, 221, 74, 89) (10, 56, 87, 30, 67, 116, 110) (11, 26, 190, 172, 17, 86, 244) (12, 92, 108, 274, 235, 165, 125) (13, 21, 63, 195, 169, 16, 238) (14, 101, 91, 64, 209, 191, 94) (15, 113, 148, 188, 47, 236, 232) (18, 121, 152, 227, 258, 127, 259) (19, 220, 24, 154, 90, 43, 46) (20, 80, 177, 132, 241, 76, 136) (22, 276, 211, 44, 156, 161, 167) (23, 62, 273, 246, 75, 42, 198) (25, 155, 230, 37, 149, 223, 208) (27, 180, 33, 179, 118, 186, 185) (28, 99, 231, 266, 275, 224, 71) (29, 51, 60, 104, 138, 140, 123) (31, 222, 73, 151, 171, 139, 119) (32, 201, 58, 239, 36, 53, 112) (34, 107, 205, 128, 260, 143, 163) (35, 250, 233, 79, 252, 102, 78) (39, 95, 144, 153, 66, 61, 162) ([...]) , (1, 254, 48, 145, 52, 157, 203) (2, 98, 262, 234, 109, 164, 181) (3, 45, 105, 196, 193, 270, 173) (4, 178, 158, 114, 240, 68, 219) (5, 77, 38, 267, 257, 115, 59) (6, 129, 226, 214, 265, 131, 263) (7, 202, 212, 237, 117, 242, 160) (8, 57, 65, 126, 83, 199, 141) (9, 89, 74, 221, 255, 245, 166) (10, 110, 116, 67, 30, 87, 56) (11, 244, 86, 17, 172, 190, 26) (12, 125, 165, 235, 274, 108, 92) (13, 238, 16, 169, 195, 63, 21) (14, 94, 191, 209, 64, 91, 101) (15, 232, 236, 47, 188, 148, 113) (18, 259, 127, 258, 227, 152, 121) (19, 46, 43, 90, 154, 24, 220) (20, 136, 76, 241, 132, 177, 80) (22, 167, 161, 156, 44, 211, 276) (23, 198, 42, 75, 246, 273, 62) (25, 208, 223, 149, 37, 230, 155) (27, 185, 186, 118, 179, 33, 180) (28, 71, 224, 275, 266, 231, 99) (29, 123, 140, 138, 104, 60, 51) (31, 119, 139, 171, 151, 73, 222) (32, 112, 53, 36, 239, 58, 201) (34, 163, 143, 260, 128, 205, 107) (35, 78, 102, 252, 79, 233, 250) (39, 162, 61, 66, 153, 144, 95) ([...]) .

The character table of $G^{s_{20}}$:

	10										20									
$\chi_{20}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{20}^{(2)}$	1	-1	1	1	-1	1	1	1	-1	1	1	-1	1	-1	1	-1	-1	1	1	1
$\chi_{20}^{(3)}$	1	A	-/A	-B	C	-C	-A	-/C	/B	-A	1	/A	-/B	B	-/C	/C	-1	-/A	-C	-/B
$\chi_{20}^{(4)}$	1	B	-/B	-/C	/A	-/A	-B	-A	C	-B	1	/B	-C	/C	-A	A	-1	-/B	-/A	-C
$\chi_{20}^{(5)}$	1	C	-/C	-/A	B	-B	-C	-/B	A	-C	1	/C	-A	/A	-/B	/B	-1	-/C	-B	-A
$\chi_{20}^{(6)}$	1	/C	-C	-A	/B	-/B	-/C	-B	/A	-/C	1	C	-/A	A	-B	B	-1	-C	-/B	-/A
$\chi_{20}^{(7)}$	1	/B	-B	-C	A	-A	-/B	-/A	/C	-/B	1	B	-/C	C	-/A	/A	-1	-B	-A	-/C
$\chi_{20}^{(8)}$	1	/A	-A	-/B	/C	-/C	-/A	-C	B	-/A	1	A	-B	/B	-C	C	-1	-A	-/C	-B
$\chi_{20}^{(9)}$	1	-/A	-A	-/B	-/C	-/C	-/A	-C	-B	-/A	1	-A	-B	-/B	-C	-C	1	-A	-/C	-B
$\chi_{20}^{(10)}$	1	-/B	-B	-C	-A	-A	-/B	-/A	-/C	-/B	1	-B	-/C	-C	-/A	-/A	1	-B	-A	-/C
$\chi_{20}^{(11)}$	1	-/C	-C	-A	-/B	-/B	-/C	-B	-/A	-/C	1	-C	-/A	-A	-B	-B	1	-C	-/B	-/A
$\chi_{20}^{(12)}$	1	-C	-/C	-/A	-B	-B	-C	-/B	-A	-C	1	-/C	-A	-/A	-/B	-/B	1	-/C	-B	-A
$\chi_{20}^{(13)}$	1	-B	-/B	-/C	-/A	-/A	-B	-A	-C	-B	1	-/B	-C	-/C	-A	-A	1	-/B	-/A	-C
$\chi_{20}^{(14)}$	1	-A	-/A	-B	-C	-C	-A	-/C	-/B	-A	1	-/A	-/B	-B	-/C	-/C	1	-/A	-C	-/B
$\chi_{20}^{(15)}$	2	.	-1	-1	.	-1	-1	2	.	2	-1	.	-1	.	-1	.	.	2	2	2
$\chi_{20}^{(16)}$	2	.	C	A	.	/B	/C	D	.	/F	-1	.	/A	.	B	.	.	F	/D	E
$\chi_{20}^{(17)}$	2	.	B	C	.	A	/B	E	.	/D	-1	.	/C	.	/A	.	.	D	/E	/F
$\chi_{20}^{(18)}$	2	.	A	/B	.	/C	/A	F	.	E	-1	.	B	.	C	.	.	/E	/F	D
$\chi_{20}^{(19)}$	2	.	/A	B	.	C	A	/F	.	/E	-1	.	/B	.	/C	.	.	E	F	/D
$\chi_{20}^{(20)}$	2	.	/B	/C	.	/A	B	/E	.	D	-1	.	C	.	A	.	.	/D	E	F
$\chi_{20}^{(21)}$	2	.	/C	/A	.	B	C	/D	.	F	-1	.	A	.	/B	.	.	/F	D	/E

$\chi_{20}^{(1)}$	1
$\chi_{20}^{(2)}$	1
$\chi_{20}^{(3)}$	-B
$\chi_{20}^{(4)}$	-/C
$\chi_{20}^{(5)}$	-/A
$\chi_{20}^{(6)}$	-A
$\chi_{20}^{(7)}$	-C
$\chi_{20}^{(8)}$	-/B
$\chi_{20}^{(9)}$	-/B
$\chi_{20}^{(10)}$	-C
$\chi_{20}^{(11)}$	-A
$\chi_{20}^{(12)}$	-/A
$\chi_{20}^{(13)}$	-/C
$\chi_{20}^{(14)}$	-B
$\chi_{20}^{(15)}$	2
$\chi_{20}^{(16)}$	/E
$\chi_{20}^{(17)}$	F
$\chi_{20}^{(18)}$	/D
$\chi_{20}^{(19)}$	D
$\chi_{20}^{(20)}$	/F
$\chi_{20}^{(21)}$	E

where $A=-E(7)$; $B=-E(7)^2$; $C=-E(7)^3$; $D=2^*E(7)^2$; $E=2^*E(7)^6$; $F=2^*E(7)^3$.

The generators of $G^{s_{21}}$ are:

(1, 154, 72) (2, 4, 175) (3, 74, 35) (5, 198, 223) (6, 138, 274) (7, 222, 69) (8, 251, 186) (9, 233, 270)
 (10, 153, 76) (11, 107, 152) (12, 214, 51) (13, 58, 264) (14, 135, 243) (15, 224, 192) (16, 32, 189) (17,
 143, 259) (18, 86, 163) (19, 168, 145) (20, 87, 61) (21, 239, 88) (22, 204, 170) (23, 208, 59) (24, 249,
 254) (25, 115, 62) (26, 205, 227) (27, 199, 182) (28, 269, 148) (29, 125, 265) (30, 162, 80) (31, 124, 202)
 (33, 126, 130) (34, 121, 244) (36, 84, 63) (37, 38, 75) (39, 177, 67) (40, 180, 83) (41, 167, 81) (42, 149,
 77) (43, 111, 157) (44, 215, 183) (45, 221, 78) (46, 218, 52) (47, 231, 137) (48, 220, 100) (49, 212, 119)
 (50, 164, 68) (53, 228, 195) (54, 91, 194) (55, 187, 211) (56, 66, 136) (57, 216, 118) (60, 92, 226) (64,
 150, 248) (65, 217, 179) (70, 209, 176) (71, 207, 113) (73, 103, 160) (79, 193, 166) (82, 188, 99) (85, 234,
 114) (89, 250, 173) (90, 271, 203) (93, 117, 171) (94, 134, 210) (95, 132, 116) (96, 268, 276) (97, 185,
 141) (98, 178, 120) (101, 206, 142) (102, 105, 255) (104, 108, 129) (106, 109, 240) (110, 144, 241) (112, 147,
 169) (122, 242, 151) (123, 165, 131) (127, 172, 260) (128, 258, 190) (133, 256, 191) (139, 253, 237) (140, 235,
 263) (146, 184, 225) (155, 257, 273) (156, 200, 174) (158, 261, 262) (159, 247, 161) (181, 219, 213) (196, 245,
 252) (197, 232, 275) (201, 229, 238) (230, 267, 246) (236, 266, 272) , (2, 19, 140, 119, 183, 200, 171, 129,
 52) (3, 223, 48, 41, 165, 92, 96, 43, 62) (4, 168, 235, 49, 44, 174, 93, 104, 46) (5, 220, 167, 131, 226, 268,
 111, 25, 74) (6, 262, 144, 187, 37, 267, 161, 116, 50) (7, 208, 160, 80, 90, 79, 252, 24, 66) (8, 64, 33, 57,
 209, 180, 86, 146, 192) (9, 234, 240, 105, 125, 155, 87, 149, 214) (10, 173, 124, 219, 204, 178, 122, 78, 39) (11,
 71, 259, 236, 182, 32, 243, 169, 185) (12, 270, 85, 109, 102, 29, 273, 20, 42) (13, 179, 84, 205, 197, 142,
 94, 121, 47) (14, 112, 141, 107, 207, 17, 266, 27, 189) (15, 251, 150, 126, 216, 176, 83, 163, 184) (16, 135,
 147, 97, 152, 113, 143, 272, 199) (18, 225, 224, 186, 248, 130, 118, 70, 40) (21, 258, 148, 191, 201, 228, 91,
 127, 188) (22, 98, 151, 221, 67, 76, 250, 31, 181) (23, 103, 162, 203, 166, 245, 254, 56, 69) (26, 275, 206,
 210, 34, 137, 264, 217, 36) (28, 133, 229, 195, 194, 172, 99, 239, 190) (30, 271, 193, 196, 249, 136, 222, 59,
 73) (35, 198, 100, 81, 123, 60, 276, 157, 115) (38, 246, 159, 95, 164, 138, 158, 241, 211) (45, 177, 153, 89,
 202, 213, 170, 120, 242) (51, 233, 114, 106, 255, 265, 257, 61, 77) (53, 54, 260, 82, 88, 128, 269, 256, 238) (55,
 75, 230, 247, 132, 68, 274, 261, 110) (58, 65, 63, 227, 232, 101, 134, 244, 231) (108, 218, 175, 145, 263,
 212, 215, 156, 117) (139, 237, 253) , (2, 22, 61) (3, 274, 59) (4, 204, 20) (5, 37, 56) (6, 23, 74) (7, 60,
 241) (8, 264, 17) (9, 212, 45) (10, 12, 46) (11, 248, 232) (13, 143, 251) (14, 146, 217) (15, 142, 199) (16,
 216, 205) (18, 134, 185) (19, 67, 265) (24, 276, 159) (25, 267, 162) (26, 189, 57) (27, 192, 206) (28,
 99, 195) (29, 168, 39) (30, 62, 230) (31, 77, 183) (32, 118, 227) (33, 137, 112) (34, 266, 209) (35, 138,
 208) (36, 207, 180) (38, 66, 198) (40, 63, 71) (41, 55, 271) (42, 44, 124) (43, 261, 193) (47, 147, 126)
 (48, 68, 196) (49, 78, 270) (50, 245, 220) (51, 52, 76) (53, 269, 82) (58, 259, 186) (64, 275, 107) (65,
 243, 225) (69, 226, 144) (70, 244, 236) (73, 165, 132) (75, 136, 223) (79, 157, 158) (80, 115, 246) (81,
 211, 90) (83, 84, 113) (85, 104, 178) (86, 210, 141) (87, 175, 170) (89, 105, 117) (92, 110, 222) (93, 173,
 102) (94, 97, 163) (95, 160, 123) (96, 247, 249) (98, 114, 129) (100, 164, 252) (101, 182, 224) (103, 131,
 116) (106, 140, 181) (108, 120, 234) (109, 235, 219) (111, 262, 166) (119, 221, 233) (121, 272, 176) (122, 273,
 174) (125, 145, 177) (127, 258, 201) (128, 238, 260) (130, 231, 169) (135, 184, 179) (148, 188, 228) (149, 215,
 202) (150, 197, 152) (151, 257, 200) (153, 214, 218) (155, 156, 242) (161, 254, 268) (167, 187, 203) (171, 250,
 255) (172, 190, 229) (213, 240, 263) , (1, 2, 24, 75, 177, 19, 138, 62, 149) (3, 111, 69, 79, 276, 116, 76, 51,
 178) (4, 249, 37, 67, 168, 274, 25, 77, 154) (5, 22, 202, 218, 215, 250, 29, 60, 144) (6, 115, 42, 72, 175, 254,
 38, 39, 145) (7, 193, 96, 95, 10, 12, 120, 74, 157) (8, 260, 137, 84, 217, 259, 232, 130, 180) (9, 255, 30, 49,
 156, 109, 66, 41, 155) (11, 224, 135, 147, 21, 201, 26, 71, 150) (13, 118, 54, 94, 258, 225, 28, 53, 142) (14,
 112, 88, 238, 227, 113, 64, 152, 15) (16, 18, 236, 34, 82, 199, 209, 133, 141) (17, 275, 33, 83, 251, 127, 47,
 63, 179) (20, 219, 261, 237, 208, 117, 85, 131, 160) (23, 93, 114, 165, 103, 61, 181, 158, 253) (27, 70, 191,
 185, 189, 163, 272, 244, 99) (31, 52, 183, 173, 125, 92, 241, 198, 204) (32, 86, 266, 121, 188, 182, 176, 256,
 97) (35, 43, 222, 166, 268, 132, 153, 214, 98) (36, 65, 143, 197, 126, 40, 186, 172, 231) (44, 89, 265, 226,
 110, 223, 170, 124, 46) (45, 50, 187, 159, 140, 90, 252, 246, 108) (55, 161, 263, 203, 245, 267, 104, 78, 68)
 (56, 81, 273, 270, 105, 80, 119, 174, 106) (57, 91, 134, 190, 146, 269, 228, 101, 58) (59, 171, 234, 123, 73,

87, 213, 262, 139) (102, 162, 212, 200, 240, 136, 167, 257, 233) (107, 192, 243, 169, 239, 229, 205, 207, 248) (122, 151, 242) (128, 184, 148, 195, 206, 264, 216, 194, 210) (129, 221, 164, 211, 247, 235, 271, 196, 230).

The representatives of conjugacy classes of $G^{s_{21}}$ are:

() , (1, 72, 154) (2, 175, 4) (3, 35, 74) (5, 223, 198) (6, 274, 138) (7, 69, 222) (8, 186, 251) (9, 270, 233) (10, 76, 153) (11, 152, 107) (12, 51, 214) (13, 264, 58) (14, 243, 135) (15, 192, 224) (16, 189, 32) (17, 259, 143) (18, 163, 86) (19, 145, 168) (20, 61, 87) (21, 88, 239) (22, 170, 204) (23, 59, 208) (24, 254, 249) (25, 62, 115) (26, 227, 205) (27, 182, 199) (28, 148, 269) (29, 265, 125) (30, 80, 162) (31, 202, 124) (33, 130, 126) (34, 244, 121) (36, 63, 84) (37, 75, 38) (39, 67, 177) (40, 83, 180) (41, 81, 167) (42, 77, 149) (43, 157, 111) (44, 183, 215) (45, 78, 221) (46, 52, 218) (47, 137, 231) (48, 100, 220) (49, 119, 212) (50, 68, 164) (53, 195, 228) (54, 194, 91) (55, 211, 187) (56, 136, 66) (57, 118, 216) (60, 226, 92) (64, 248, 150) (65, 179, 217) (70, 176, 209) (71, 113, 207) (73, 160, 103) (79, 166, 193) (82, 99, 188) (85, 114, 234) (89, 173, 250) (90, 203, 271) (93, 171, 117) (94, 210, 134) (95, 116, 132) (96, 276, 268) (97, 141, 185) ([...]) , (1, 154, 72) (2, 4, 175) (3, 74, 35) (5, 198, 223) (6, 138, 274) (7, 222, 69) (8, 251, 186) (9, 233, 270) (10, 153, 76) (11, 107, 152) (12, 214, 51) (13, 58, 264) (14, 135, 243) (15, 224, 192) (16, 32, 189) (17, 143, 259) (18, 86, 163) (19, 168, 145) (20, 87, 61) (21, 239, 88) (22, 204, 170) (23, 208, 59) (24, 249, 254) (25, 115, 62) (26, 205, 227) (27, 199, 182) (28, 269, 148) (29, 125, 265) (30, 162, 80) (31, 124, 202) (33, 126, 130) (34, 121, 244) (36, 84, 63) (37, 38, 75) (39, 177, 67) (40, 180, 83) (41, 167, 81) (42, 149, 77) (43, 111, 157) (44, 215, 183) (45, 221, 78) (46, 218, 52) (47, 231, 137) (48, 220, 100) (49, 212, 119) (50, 164, 68) (53, 228, 195) (54, 91, 194) (55, 187, 211) (56, 66, 136) (57, 216, 118) (60, 92, 226) (64, 150, 248) (65, 217, 179) (70, 209, 176) (71, 207, 113) (73, 103, 160) (79, 193, 166) (82, 188, 99) (85, 234, 114) (89, 250, 173) (90, 271, 203) (93, 117, 171) (94, 134, 210) (95, 132, 116) (96, 268, 276) (97, 185, 141) ([...]) , (1, 35, 252, 270, 230, 110) (2, 220, 138, 93, 136, 263) (3, 196, 9, 267, 144, 154) (4, 100, 274, 117, 56, 140) (5, 257, 29, 178, 50, 132) (6, 171, 66, 235, 175, 48) (7, 105, 219, 131, 193, 31) (8, 184, 64, 188, 32, 275) (10, 92, 153, 226, 76, 60) (11, 33, 209, 256, 127, 182) (12, 237, 170, 156, 211, 106) (13, 17, 121, 195, 147, 118) (14, 142, 227) (15, 258, 28, 65, 137, 238) (16, 232, 186, 146, 248, 82) (18, 63, 83, 194, 97, 88) (19, 78, 261, 85, 203, 268) (20, 249, 129, 30, 23, 151) (21, 86, 36, 40, 54, 185) (22, 200, 55, 109, 214, 139) (24, 108, 80, 59, 242, 61) (25, 39, 183, 111, 46, 247) (26, 135, 101) (27, 107, 126, 176, 191, 172) (34, 228, 112, 216, 264, 259) (37, 49, 89, 160, 167, 42) (38, 212, 250, 73, 81, 149) (41, 77, 75, 119, 173, 103) (43, 52, 159, 62, 67, 215) (44, 157, 218, 161, 115, 177) (45, 262, 234, 90, 276, 168) (47, 201, 224, 190, 269, 217) (51, 253, 204, 174, 187, 240) (53, 169, 57, 58, 143, 244) (68, 95, 223, 155, 265, 98) ([...]) , (1, 74, 196, 270, 246, 144) (2, 48, 274, 93, 66, 140) (3, 252, 233, 267, 110, 72) (4, 220, 6, 117, 136, 235) (5, 155, 125, 178, 68, 116) (7, 102, 213, 131, 79, 124) (8, 146, 150, 188, 16, 197) (9, 230, 241, 154, 35, 245) (10, 60, 76, 226, 153, 92) (11, 130, 176, 256, 260, 27) (12, 253, 22, 156, 187, 109) (13, 259, 244, 195, 112, 57) (14, 206, 26) (15, 128, 269, 65, 231, 201) (17, 34, 53, 147, 216, 58) (18, 84, 40, 194, 141, 21) (19, 221, 262, 85, 271, 276) (20, 24, 104, 30, 59, 122) (23, 242, 87, 249, 108, 162) (25, 67, 44, 111, 52, 161) (28, 179, 47, 238, 192, 190) (29, 98, 164, 132, 223, 273) (31, 69, 255, 219, 165, 166) (32, 232, 251, 184, 248, 99) (33, 70, 191, 127, 199, 107) (36, 83, 91, 185, 88, 163) (37, 119, 250, 160, 41, 149) (38, 49, 173, 73, 167, 77) (39, 215, 157, 46, 159, 115) (42, 75, 212, 89, 103, 81) (43, 218, 247, 62, 177, 183) (45, 261, 114, 90, 268, 145) (50, 95, 198, 257, 265, 120) (51, 139, 170, 174, 55, 106) ([...]) , (1, 3, 245, 270, 267, 241) (2, 100, 6, 93, 56, 235) (4, 48, 138, 117, 66, 263) (5, 273, 265, 178, 164, 95) (7, 255, 181, 131, 166, 202) (8, 225, 248, 188, 189, 232) (9, 246, 110, 154, 74, 252) (10, 226) (11, 126, 70, 256, 172, 199) (12, 139, 204, 156, 55, 240) (13, 143, 34, 195, 169, 216) (14, 101, 205) (15, 190, 148, 65, 47, 229) (16, 275, 251, 146, 64, 99) (17, 244, 228, 147, 57, 264) (18, 36, 180, 194, 185, 239) (19, 45, 158, 85, 90, 96) (20, 254, 108, 30, 208, 242) (21, 163, 63, 40, 91, 97) (22, 174, 211, 109, 51, 237) (23, 122, 61, 249, 104, 80) (24, 129, 162, 59, 151, 87) (25, 177, 215, 111, 218, 159) (26, 243, 142) (27, 152, 33, 176, 133, 127) (28, 217, 231, 238, 224, 128) (29, 120, 68, 132, 198, 155) (31, 222, 102, 219, 123, 79) (32, 197, 186, 184, 150, 82) (35, 196, 233, 230, 144, 72) (37, 212, 173, 160, 81, 77) (38, 119, 89, 73, 41, 42) (39, 44, 43, 46, 161, 62) (49, 250, 103, 167, 149, 75) (50, 116, 223, 257, 125, 98) ([...]) , (1, 144, 246, 270, 196, 74) (2, 140, 66, 93, 274, 48) (3, 72, 110, 267, 233, 252) (4, 235, 136, 117, 6, 220) (5, 116, 68,

178, 125, 155) (7, 124, 79, 131, 213, 102) (8, 197, 16, 188, 150, 146) (9, 245, 35, 154, 241, 230) (10, 92, 153, 226, 76, 60) (11, 27, 260, 256, 176, 130) (12, 109, 187, 156, 22, 253) (13, 57, 112, 195, 244, 259) (14, 26, 206) (15, 201, 231, 65, 269, 128) (17, 58, 216, 147, 53, 34) (18, 21, 141, 194, 40, 84) (19, 276, 271, 85, 262, 221) (20, 122, 59, 30, 104, 24) (23, 162, 108, 249, 87, 242) (25, 161, 52, 111, 44, 67) (28, 190, 192, 238, 47, 179) (29, 273, 223, 132, 164, 98) (31, 166, 165, 219, 255, 69) (32, 99, 248, 184, 251, 232) (33, 107, 199, 127, 191, 70) (36, 163, 88, 185, 91, 83) (37, 149, 41, 160, 250, 119) (38, 77, 167, 73, 173, 49) (39, 115, 159, 46, 157, 215) (42, 81, 103, 89, 212, 75) (43, 183, 177, 62, 247, 218) (45, 145, 268, 90, 114, 261) (50, 120, 265, 257, 198, 95) (51, 106, 55, 174, 170, 139) ([...]) , (1, 110, 230, 270, 252, 35) (2, 263, 136, 93, 138, 220) (3, 154, 144, 267, 9, 196) (4, 140, 56, 117, 274, 100) (5, 132, 50, 178, 29, 257) (6, 48, 175, 235, 66, 171) (7, 31, 193, 131, 219, 105) (8, 275, 32, 188, 64, 184) (10, 60, 76, 226, 153, 92) (11, 182, 127, 256, 209, 33) (12, 106, 211, 156, 170, 237) (13, 118, 147, 195, 121, 17) (14, 227, 142) (15, 238, 137, 65, 28, 258) (16, 82, 248, 146, 186, 232) (18, 88, 97, 194, 83, 63) (19, 268, 203, 85, 261, 78) (20, 151, 23, 30, 129, 249) (21, 185, 54, 40, 36, 86) (22, 139, 214, 109, 55, 200) (24, 61, 242, 59, 80, 108) (25, 247, 46, 111, 183, 39) (26, 101, 135) (27, 172, 191, 176, 126, 107) (34, 259, 264, 216, 112, 228) (37, 42, 167, 160, 89, 49) (38, 149, 81, 73, 250, 212) (41, 103, 173, 119, 75, 77) (43, 215, 67, 62, 159, 52) (44, 177, 115, 161, 218, 157) (45, 168, 276, 90, 234, 262) (47, 217, 269, 190, 224, 201) (51, 240, 187, 174, 204, 253) (53, 244, 143, 58, 57, 169) (68, 98, 265, 155, 223, 95) ([...]) , (1, 241, 267, 270, 245, 3) (2, 235, 56, 93, 6, 100) (4, 263, 66, 117, 138, 48) (5, 95, 164, 178, 265, 273) (7, 202, 166, 131, 181, 255) (8, 232, 189, 188, 248, 225) (9, 252, 74, 154, 110, 246) (10, 226) (11, 199, 172, 256, 70, 126) (12, 240, 55, 156, 204, 139) (13, 216, 169, 195, 34, 143) (14, 205, 101) (15, 229, 47, 65, 148, 190) (16, 99, 64, 146, 251, 275) (17, 264, 57, 147, 228, 244) (18, 239, 185, 194, 180, 36) (19, 96, 90, 85, 158, 45) (20, 242, 208, 30, 108, 254) (21, 97, 91, 40, 63, 163) (22, 237, 51, 109, 211, 174) (23, 80, 104, 249, 61, 122) (24, 87, 151, 59, 162, 129) (25, 159, 218, 111, 215, 177) (26, 142, 243) (27, 127, 133, 176, 33, 152) (28, 128, 224, 238, 231, 217) (29, 155, 198, 132, 68, 120) (31, 79, 123, 219, 102, 222) (32, 82, 150, 184, 186, 197) (35, 72, 144, 230, 233, 196) (37, 77, 81, 160, 173, 212) (38, 42, 41, 73, 89, 119) (39, 62, 161, 46, 43, 44) (49, 75, 149, 167, 103, 250) (50, 98, 125, 257, 223, 116) ([...]) , (1, 196, 246) (2, 274, 66) (3, 233, 110) (4, 6, 136) (5, 125, 68) (7, 213, 79) (8, 150, 16) (9, 241, 35) (10, 76, 153) (11, 176, 260) (12, 22, 187) (13, 244, 112) (14, 26, 206) (15, 269, 231) (17, 53, 216) (18, 40, 141) (19, 262, 271) (20, 104, 59) (21, 84, 194) (23, 87, 108) (24, 30, 122) (25, 44, 52) (27, 130, 256) (28, 47, 192) (29, 164, 223) (31, 255, 165) (32, 251, 248) (33, 191, 199) (34, 147, 58) (36, 91, 88) (37, 250, 41) (38, 173, 167) (39, 157, 159) (42, 212, 103) (43, 247, 177) (45, 114, 268) (46, 115, 215) (48, 93, 140) (49, 73, 77) (50, 198, 265) (51, 170, 55) (54, 239, 63) (56, 175, 138) (57, 259, 195) (60, 226, 92) (61, 129, 208) (62, 183, 218) (64, 189, 186) (65, 201, 128) (67, 111, 161) (69, 219, 166) (70, 127, 107) (71, 113, 207) (72, 252, 267) (74, 270, 144) (75, 89, 81) (78, 234, 96) (80, 151, 254) (82, 275, 225) (83, 185, 163) (85, 276, 221) (86, 180, 97) (90, 145, 261) (94, 210, 134) (95, 257, 120) (98, 132, 273) (99, 232, 184) ([...]) , (1, 252, 230) (2, 138, 136) (3, 9, 144) (4, 274, 56) (5, 29, 50) (6, 66, 175) (7, 219, 193) (8, 64, 32) (10, 153, 76) (11, 209, 127) (12, 170, 211) (13, 121, 147) (14, 227, 142) (15, 28, 137) (16, 186, 248) (17, 195, 118) (18, 83, 97) (19, 261, 203) (20, 129, 23) (21, 36, 54) (22, 55, 214) (24, 80, 242) (25, 183, 46) (26, 101, 135) (27, 126, 191) (30, 151, 249) (31, 105, 131) (33, 256, 182) (34, 112, 264) (35, 270, 110) (37, 89, 167) (38, 250, 81) (39, 111, 247) (40, 185, 86) (41, 75, 173) (42, 49, 160) (43, 159, 67) (44, 218, 115) (45, 234, 276) (47, 224, 269) (48, 171, 235) (51, 204, 187) (52, 62, 215) (53, 57, 143) (58, 244, 169) (59, 61, 108) (60, 92, 226) (63, 194, 88) (65, 238, 258) (68, 223, 265) (69, 181, 79) (70, 260, 152) (71, 207, 113) (72, 245, 246) (73, 149, 212) (74, 233, 241) (77, 119, 103) (78, 85, 268) (82, 232, 146) (84, 91, 239) (87, 104, 208) (90, 168, 262) (93, 263, 220) (94, 134, 210) (95, 155, 98) (96, 221, 114) (99, 197, 225) ([...]) , (1, 245, 267) (2, 6, 56) (3, 270, 241) (4, 138, 66) (5, 265, 164) (7, 181, 166) (8, 248, 189) (9, 110, 74) (11, 70, 172) (12, 204, 55) (13, 34, 169) (14, 205, 101) (15, 148, 47) (16, 251, 64) (17, 228, 57) (18, 180, 185) (19, 158, 90) (20, 108, 208) (21, 63, 91) (22, 211, 51) (23, 61, 104) (24, 162, 151) (25, 215, 218) (26, 142, 243) (27, 33, 133) (28, 231, 224) (29, 68, 198) (30, 242, 254) (31, 102, 123) (32, 186, 150) (35, 233, 144) (36, 194, 239) (37, 173, 81) (38, 89, 41) (39, 43, 161) (40, 97, 163) (42, 119, 73) (44, 46, 62) (45, 85, 96) (48, 117, 263) (49, 103, 149)

(50, 223, 125) (52, 115, 183) (53, 118, 259) (54, 88, 84) (58, 121, 112) (59, 87, 129) (65, 229, 190) (67, 157, 247) (69, 213, 193) (72, 196, 230) (75, 250, 167) (77, 212, 160) (78, 114, 276) (79, 222, 219) (80, 122, 249) (82, 197, 184) (83, 141, 86) (93, 235, 100) (95, 273, 178) (98, 116, 257) (99, 275, 146) (105, 165, 124) (106, 253, 200) (107, 209, 260) (109, 237, 174) (111, 159, 177) ([...]) , (1, 230, 252) (2, 136, 138) (3, 144, 9) (4, 56, 274) (5, 50, 29) (6, 175, 66) (7, 193, 219) (8, 32, 64) (10, 76, 153) (11, 127, 209) (12, 211, 170) (13, 147, 121) (14, 142, 227) (15, 137, 28) (16, 248, 186) (17, 118, 195) (18, 97, 83) (19, 203, 261) (20, 23, 129) (21, 54, 36) (22, 214, 55) (24, 242, 80) (25, 46, 183) (26, 135, 101) (27, 191, 126) (30, 249, 151) (31, 131, 105) (33, 182, 256) (34, 264, 112) (35, 110, 270) (37, 167, 89) (38, 81, 250) (39, 247, 111) (40, 86, 185) (41, 173, 75) (42, 160, 49) (43, 67, 159) (44, 115, 218) (45, 276, 234) (47, 269, 224) (48, 235, 171) (51, 187, 204) (52, 215, 62) (53, 143, 57) (58, 169, 244) (59, 108, 61) (60, 226, 92) (63, 88, 194) (65, 258, 238) (68, 265, 223) (69, 79, 181) (70, 152, 260) (71, 113, 207) (72, 246, 245) (73, 212, 149) (74, 241, 233) (77, 103, 119) (78, 268, 85) (82, 146, 232) (84, 239, 91) (87, 208, 104) (90, 262, 168) (93, 220, 263) (94, 210, 134) (95, 98, 155) (96, 114, 221) (99, 225, 197) ([...]) , (1, 246, 196) (2, 66, 274) (3, 110, 233) (4, 136, 6) (5, 68, 125) (7, 79, 213) (8, 16, 150) (9, 35, 241) (10, 153, 76) (11, 260, 176) (12, 187, 22) (13, 112, 244) (14, 206, 26) (15, 231, 269) (17, 216, 53) (18, 141, 40) (19, 271, 262) (20, 59, 104) (21, 194, 84) (23, 108, 87) (24, 122, 30) (25, 52, 44) (27, 256, 130) (28, 192, 47) (29, 223, 164) (31, 165, 255) (32, 248, 251) (33, 199, 191) (34, 58, 147) (36, 88, 91) (37, 41, 250) (38, 167, 173) (39, 159, 157) (42, 103, 212) (43, 177, 247) (45, 268, 114) (46, 215, 115) (48, 140, 93) (49, 77, 73) (50, 265, 198) (51, 55, 170) (54, 63, 239) (56, 138, 175) (57, 195, 259) (60, 92, 226) (61, 208, 129) (62, 218, 183) (64, 186, 189) (65, 128, 201) (67, 161, 111) (69, 166, 219) (70, 107, 127) (71, 207, 113) (72, 267, 252) (74, 144, 270) (75, 81, 89) (78, 96, 234) (80, 254, 151) (82, 225, 275) (83, 163, 185) (85, 221, 276) (86, 97, 180) (90, 261, 145) (94, 134, 210) (95, 120, 257) (98, 273, 132) (99, 184, 232) ([...]) , (1, 267, 245) (2, 56, 6) (3, 241, 270) (4, 66, 138) (5, 164, 265) (7, 166, 181) (8, 189, 248) (9, 74, 110) (11, 172, 70) (12, 55, 204) (13, 169, 34) (14, 101, 205) (15, 47, 148) (16, 64, 251) (17, 57, 228) (18, 185, 180) (19, 90, 158) (20, 208, 108) (21, 91, 63) (22, 51, 211) (23, 104, 61) (24, 151, 162) (25, 218, 215) (26, 243, 142) (27, 133, 33) (28, 224, 231) (29, 198, 68) (30, 254, 242) (31, 123, 102) (32, 150, 186) (35, 144, 233) (36, 239, 194) (37, 81, 173) (38, 41, 89) (39, 161, 43) (40, 163, 97) (42, 73, 119) (44, 62, 46) (45, 96, 85) (48, 263, 117) (49, 149, 103) (50, 125, 223) (52, 183, 115) (53, 259, 118) (54, 84, 88) (58, 112, 121) (59, 129, 87) (65, 190, 229) (67, 247, 157) (69, 193, 213) (72, 230, 196) (75, 167, 250) (77, 160, 212) (78, 276, 114) (79, 219, 222) (80, 249, 122) (82, 184, 197) (83, 86, 141) (93, 100, 235) (95, 178, 273) (98, 257, 116) (99, 146, 275) (105, 124, 165) (106, 200, 253) (107, 260, 209) (109, 174, 237) (111, 177, 159) ([...]) , (1, 9, 72, 270, 154, 233) (2, 117, 175, 93, 4, 171) (3, 246, 35, 267, 74, 230) (5, 120, 223, 178, 198, 98) (6, 263, 274, 235, 138, 140) (7, 123, 69, 131, 222, 165) (8, 99, 186, 188, 251, 82) (10, 60, 76, 226, 153, 92) (11, 191, 152, 256, 107, 133) (12, 200, 51, 156, 214, 174) (13, 53, 264, 195, 58, 228) (14, 135, 243) (15, 217, 192, 65, 224, 179) (16, 184, 189, 146, 32, 225) (17, 169, 259, 147, 143, 112) (18, 54, 163, 194, 86, 91) (19, 234, 145, 85, 168, 114) (20, 162, 61, 30, 87, 80) (21, 180, 88, 40, 239, 83) (22, 240, 170, 109, 204, 106) (23, 254, 59, 249, 208, 24) (25, 157, 62, 111, 115, 43) (26, 205, 227) (27, 70, 182, 176, 199, 209) (28, 201, 148, 238, 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163) (95, 265) (96, 158) (98, 223) (99, 251) (104, 122) (105, 193) (106, 170) (107, 191) (108, 242) (110, 252) (112, 259) (113, 210) (114, 145) (115, 157) (116, 125) (118, 121) (120, 198) (123, 222) (124, 213) (126, 172) (128, 231) (129, 151) (130, 260) (133, 152) (134,

207) (136, 220) (137, 258) ([...]) , (1, 233, 154, 270, 72, 9) (2, 171, 4, 93, 175, 117) (3, 230, 74, 267, 35, 246) (5, 98, 198, 178, 223, 120) (6, 140, 138, 235, 274, 263) (7, 165, 222, 131, 69, 123) (8, 82, 251, 188, 186, 99) (10, 92, 153, 226, 76, 60) (11, 133, 107, 256, 152, 191) (12, 174, 214, 156, 51, 200) (13, 228, 58, 195, 264, 53) (14, 243, 135) (15, 179, 224, 65, 192, 217) (16, 225, 32, 146, 189, 184) (17, 112, 143, 147, 259, 169) (18, 91, 86, 194, 163, 54) (19, 114, 168, 85, 145, 234) (20, 80, 87, 30, 61, 162) (21, 83, 239, 40, 88, 180) (22, 106, 204, 109, 170, 240) (23, 24, 208, 249, 59, 254) (25, 43, 115, 111, 62, 157) (26, 227, 205) (27, 209, 199, 176, 182, 70) (28, 229, 269, 238, 148, 201) (29, 95, 125, 132, 265, 116) (31, 181, 124, 219, 202, 213) (33, 260, 126, 127, 130, 172) (34, 57, 121, 216, 244, 118) (36, 97, 84, 185, 63, 141) (37, 103, 38, 160, 75, 73) (39, 52, 177, 46, 67, 218) (41, 212, 167, 119, 81, 49) (42, 173, 149, 89, 77, 250) (44, 247, 215, 161, 183, 159) 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249, 95) (40, 47, 135) (41, 81, 167) (42, 106, 237) (44, 85, 222) (45, 78, 221) (48, 155, 175) (50, 59, 242) (51, 140, 56) (52, 79, 75) (53, 169, 126) (54, 269, 209) (55, 124, 213) (58, 163, 236) (61, 102, 90) (62, 270, 157) (63, 188, 118) (64, 142, 227) (68, 208, 122) (69, 215, 234) (71, 232, 185) (72, 261, 230) (73, 204, 92) (74, 153, 145) (77, 240, 253) (80, 104, 144) (82, 216, 84) (87, 255, 203) (88, 184, 238) (89, 196, 223) (91, 148, 176) (96, 156, 120) (97, 113, 197) ([...]) , (1, 261, 246) (2, 48, 273) (3, 76, 145) (4, 220, 155) (5, 89, 252) (6, 247, 212) (7, 215, 85) (8, 143, 258) (9, 157, 115) (10, 19, 74) (11, 16, 27) (12, 140, 136) (13, 18, 236) (14, 180, 47) (15, 260, 134) (17, 128, 186) (20, 102, 203) (21, 184, 229) (22, 226, 73) (23, 242, 68) (24, 132, 39) (25, 270, 111) (26, 64, 206) (28, 176, 54) (29, 123, 117) (30, 104, 110) (31, 181, 55) (32, 199, 107) (33, 228, 169) (34, 179, 256) (35, 153, 168) (36, 188, 216) (37, 52, 166) (38, 46, 79) (40, 137, 243) (41, 167, 81) 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The character table of $G^{s_{21}}$:

	10										20									
$\chi_{21}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{21}^{(2)}$	1	1	1	A	A	A	/A	/A	/A	/A	/A	A	A	A	1	1	1	A	A	A
$\chi_{21}^{(3)}$	1	1	1	/A	/A	/A	A	A	A	A	A	/A	/A	/A	1	1	1	/A	/A	/A
$\chi_{21}^{(4)}$	1	A	/A	1	A	/A	/A	1	A	/A	1	A	1	A	/A	/A	1	A	/A	1
$\chi_{21}^{(5)}$	1	/A	A	1	/A	A	A	1	/A	A	1	/A	1	/A	A	A	1	/A	A	1
$\chi_{21}^{(6)}$	1	A	/A	A	/A	1	A	/A	1	A	/A	1	A	/A	1	/A	1	A	1	A
$\chi_{21}^{(7)}$	1	/A	A	/A	A	1	/A	A	1	/A	A	1	/A	A	1	A	1	/A	1	A
$\chi_{21}^{(8)}$	1	A	/A	/A	1	A	1	A	/A	1	A	/A	/A	1	A	/A	1	A	A	/A
$\chi_{21}^{(9)}$	1	/A	A	A	1	/A	1	/A	A	1	/A	A	A	1	/A	A	1	/A	/A	A
$\chi_{21}^{(10)}$	7	7	7	-1	-1	-1	-1	-1	-1	1	1	1	1	1	1	-1	-1	-1	1	1
$\chi_{21}^{(11)}$	7	7	7	-A	-A	-A	-/A	-/A	-/A	/A	/A	/A	A	A	A	-1	-1	-1	A	A
$\chi_{21}^{(12)}$	7	7	7	-/A	-/A	-/A	-A	-A	-A	A	A	A	/A	/A	/A	-1	-1	-1	/A	/A
$\chi_{21}^{(13)}$	7	B	/B	-/A	-1	-A	-1	-A	-/A	1	A	/A	/A	1	A	-/A	-1	-A	A	/A
$\chi_{21}^{(14)}$	7	/B	B	-A	-1	-/A	-1	-/A	-A	1	/A	A	A	1	/A	-A	-1	-/A	/A	A
$\chi_{21}^{(15)}$	7	B	/B	-A	-/A	-1	-A	-/A	-1	A	/A	1	A	/A	1	-/A	-1	-A	1	A
$\chi_{21}^{(16)}$	7	/B	B	-/A	-A	-1	-/A	-A	-1	/A	A	1	/A	A	1	-A	-1	-/A	1	A
$\chi_{21}^{(17)}$	7	B	/B	-1	-A	-/A	-/A	-1	-A	/A	1	A	1	A	/A	-/A	-1	-A	/A	A
$\chi_{21}^{(18)}$	7	/B	B	-1	-/A	-A	-A	-1	-/A	A	1	/A	1	/A	A	-A	-1	-/A	A	/A
$\chi_{21}^{(19)}$	8	8	8	.	.	.	.	.	.	2	2	2	2	2	2	.	.	.	-1	-1
$\chi_{21}^{(20)}$	8	8	8	.	.	.	.	.	.	F	F	F	/F	/F	/F	.	.	.	-/A	-/A
$\chi_{21}^{(21)}$	8	8	8	.	.	.	.	.	.	/F	/F	/F	F	F	F	.	.	.	-A	-A
$\chi_{21}^{(22)}$	8	C	/C	.	.	.	.	.	.	/F	2	F	2	F	/F	.	.	.	-/A	-1
$\chi_{21}^{(23)}$	8	/C	C	.	.	.	.	.	.	F	2	/F	2	/F	F	.	.	.	-A	-1
$\chi_{21}^{(24)}$	8	C	/C	.	.	.	.	.	.	2	F	/F	/F	2	F	.	.	.	-A	-/A
$\chi_{21}^{(25)}$	8	/C	C	.	.	.	.	.	.	2	/F	F	F	2	/F	.	.	.	-/A	-1
$\chi_{21}^{(26)}$	8	C	/C	.	.	.	.	.	.	F	/F	2	F	/F	2	.	.	.	-1	-A
$\chi_{21}^{(27)}$	8	/C	C	.	.	.	.	.	.	/F	F	2	/F	F	2	.	.	.	-1	-/A
$\chi_{21}^{(28)}$	21	21	21	.	.	.	.	.	.	.	.	.	.	.	.	-3	-3	-3	.	.
$\chi_{21}^{(29)}$	21	D	/D	.	.	.	.	.	.	.	.	.	.	.	.	G	-3	/G	.	.
$\chi_{21}^{(30)}$	21	/D	D	.	.	.	.	.	.	.	.	.	.	.	.	/G	-3	G	.	.
$\chi_{21}^{(31)}$	27	27	27	.	.	.	.	.	.	.	.	.	.	.	.	3	3	3	.	.
$\chi_{21}^{(32)}$	27	E	/E	.	.	.	.	.	.	.	.	.	.	.	.	-G	3	-/G	.	.
$\chi_{21}^{(33)}$	27	/E	E	.	.	.	.	.	.	.	.	.	.	.	.	-/G	3	-G	.	.

	30											
$\chi_{21}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{21}^{(2)}$	/A	/A	/A	1	1	1	1	1	1	1	1	1
$\chi_{21}^{(3)}$	A	A	A	1	1	1	1	1	1	1	1	1
$\chi_{21}^{(4)}$	A	/A	1	1	A	/A	/A	1	A	1	A	/A
$\chi_{21}^{(5)}$	/A	A	1	1	/A	A	A	1	/A	1	/A	A
$\chi_{21}^{(6)}$	1	A	/A	1	A	/A	/A	1	A	1	A	/A
$\chi_{21}^{(7)}$	1	/A	A	1	/A	A	A	1	/A	1	/A	A
$\chi_{21}^{(8)}$	/A	1	A	1	A	/A	/A	1	A	1	A	/A
$\chi_{21}^{(9)}$	A	1	/A	1	/A	A	A	1	/A	1	/A	A
$\chi_{21}^{(10)}$	1	1	1	-2	-2	-2	1	1	1	.	.	.
$\chi_{21}^{(11)}$	/A	/A	/A	-2	-2	-2	1	1	1	.	.	.
$\chi_{21}^{(12)}$	A	A	A	-2	-2	-2	1	1	1	.	.	.
$\chi_{21}^{(13)}$	/A	1	A	-2	-F	-F	/A	1	A	.	.	.
$\chi_{21}^{(14)}$	A	1	/A	-2	-F	-F	A	1	/A	.	.	.
$\chi_{21}^{(15)}$	1	A	/A	-2	-F	-F	/A	1	A	.	.	.
$\chi_{21}^{(16)}$	1	/A	A	-2	-F	-F	A	1	/A	.	.	.
$\chi_{21}^{(17)}$	A	/A	1	-2	-F	-F	/A	1	A	.	.	.
$\chi_{21}^{(18)}$	/A	A	1	-2	-F	-F	A	1	/A	.	.	.
$\chi_{21}^{(19)}$	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	1	1
$\chi_{21}^{(20)}$	-A	-A	-A	-1	-1	-1	-1	-1	-1	1	1	1
$\chi_{21}^{(21)}$	-/A	-/A	-/A	-1	-1	-1	-1	-1	-1	1	1	1
$\chi_{21}^{(22)}$	-A	-/A	-1	-1	-A	-/A	-/A	-1	-A	1	A	/A
$\chi_{21}^{(23)}$	-/A	-A	-1	-1	-/A	-A	-A	-1	-/A	1	/A	A
$\chi_{21}^{(24)}$	-/A	-1	-A	-1	-A	-/A	-/A	-1	-A	1	A	/A
$\chi_{21}^{(25)}$	-A	-1	-/A	-1	-/A	-A	-A	-1	-/A	1	/A	A
$\chi_{21}^{(26)}$	-1	-A	-/A	-1	-A	-/A	-/A	-1	-A	1	A	/A
$\chi_{21}^{(27)}$	-1	-/A	-A	-1	-/A	-A	-A	-1	-/A	1	/A	A
$\chi_{21}^{(28)}$	.	.	.	3	3	3	.	.	.	.	.	.
$\chi_{21}^{(29)}$	.	.	.	3	-G	-G	.	.	.	.	.	.
$\chi_{21}^{(30)}$	.	.	.	3	-G	-G	.	.	.	.	.	.
$\chi_{21}^{(31)}$	.	.	.	.	.	.	.	.	.	-1	-1	-1
$\chi_{21}^{(32)}$	.	.	.	.	.	.	.	.	.	-1	-A	-/A
$\chi_{21}^{(33)}$	.	.	.	.	.	.	.	.	.	-1	-/A	-A

where $A=E(3)^2=(-1-ER(-3))/2=-1-b_3$; $B=7^*E(3)^2=(-7-7^*ER(-3))/2=-7-7b_3$; $C=8^*E(3)^2=-4-4^*ER(-3)=-4-4i_3$; $D=21^*E(3)^2=(-21-21^*ER(-3))/2=-21-21b_3$; $E=27^*E(3)^2=(-27-27^*ER(-3))/2=-27-27b_3$; $F=2^*E(3)^2=-1-ER(-3)=-1-i_3$; $G=-3^*E(3)=(3-3^*ER(-3))/2=-3b_3$.

The generators of $G^{s_{22}}$ are:

(1, 17, 10, 61, 20, 264, 220, 201, 23, 70, 57, 76, 64, 3) (2, 245, 168, 161, 232, 46, 91, 197, 223, 268, 267, 26, 31, 59) (4, 153, 30, 45, 89, 66, 27, 157, 69, 16, 25, 7, 247, 251) (5, 109, 90, 78, 236, 273, 270, 171, 74, 22, 185, 88, 261, 122) (6, 244, 225, 265, 204, 105, 124, 246, 172, 175, 116, 194, 233, 221) (8, 235, 144, 217, 139, 271, 107, 123, 243, 71, 29, 51, 58, 56) (9, 151, 199, 133, 75, 228, 62) (11, 205, 117, 32, 47, 87, 238, 254, 100, 86, 222, 234, 178, 156) (12, 149, 269, 131, 187, 182, 103, 207, 73, 60, 18, 120, 19, 252) (13, 68, 38, 80, 240, 257, 154, 184, 115, 83, 218, 152, 179, 130) (14, 237, 42, 181, 250, 263, 180, 224, 79, 127, 39, 132, 140, 24) (15, 215, 183, 150, 164, 136, 231, 226, 196, 260, 113, 96, 28, 53) (21, 50, 102, 111, 106, 141, 126, 99, 166, 65, 272, 174, 258, 34) (33, 239, 210, 114, 167, 44, 209) (35, 266, 146, 162, 170, 158, 160, 275, 92, 112, 84, 55,

52, 206) (36, 98, 48, 165, 128, 94, 173, 155, 41, 85, 63, 256, 262, 142) (37, 137, 176, 212, 54, 43, 101, 259, 81, 191, 216, 276, 249, 145) (40, 177, 230, 192, 188, 118, 49, 135, 189, 125, 93, 274, 203, 211) (67, 202, 253, 255, 198, 242, 219) (72, 241) (77, 163, 227, 213, 108, 143, 193) (82, 147, 110, 134, 248, 214, 190) (95, 229, 186, 119, 195, 148, 104, 129, 159, 200, 169, 97, 121, 138).

The representatives of conjugacy classes of $G^{s_{22}}$ are:

() , (1, 3, 64, 76, 57, 70, 23, 201, 220, 264, 20, 61, 10, 17) (2, 59, 31, 26, 267, 268, 223, 197, 91, 46, 232, 161, 168, 245) (4, 251, 247, 7, 25, 16, 69, 157, 27, 66, 89, 45, 30, 153) (5, 122, 261, 88, 185, 22, 74, 171, 270, 273, 236, 78, 90, 109) (6, 221, 233, 194, 116, 175, 172, 246, 124, 105, 204, 265, 225, 244) (8, 56, 58, 51, 29, 71, 243, 123, 107, 271, 139, 217, 144, 235) (9, 62, 228, 75, 133, 199, 151) (11, 156, 178, 234, 222, 86, 100, 254, 238, 87, 47, 32, 117, 205) (12, 252, 19, 120, 18, 60, 73, 207, 103, 182, 187, 131, 269, 149) (13, 130, 179, 152, 218, 83, 115, 184, 154, 257, 240, 80, 38, 68) (14, 24, 140, 132, 39, 127, 79, 224, 180, 263, 250, 181, 42, 237) (15, 53, 28, 96, 113, 260, 196, 226, 231, 136, 164, 150, 183, 215) (21, 34, 258, 174, 272, 65, 166, 99, 126, 141, 106, 111, 102, 50) (33, 209, 44, 167, 114, 210, 239) (35, 206, 52, 55, 84, 112, 92, 275, 160, 158, 170, 162, 146, 266) (36, 142, 262, 256, 63, 85, 41, 155, 173, 94, 128, 165, 48, 98) ([...]) , (1, 10, 20, 220, 23, 57, 64) (2, 168, 232, 91, 223, 267, 31) (3, 17, 61, 264, 201, 70, 76) (4, 30, 89, 27, 69, 25, 247) (5, 90, 236, 270, 74, 185, 261) (6, 225, 204, 124, 172, 116, 233) (7, 251, 153, 45, 66, 157, 16) (8, 144, 139, 107, 243, 29, 58) (9, 199, 75, 62, 151, 133, 228) (11, 117, 47, 238, 100, 222, 178) (12, 269, 187, 103, 73, 18, 19) (13, 38, 240, 154, 115, 218, 179) (14, 42, 250, 180, 79, 39, 140) (15, 183, 164, 231, 196, 113, 28) (21, 102, 106, 126, 166, 272, 258) (22, 88, 122, 109, 78, 273, 171) (24, 237, 181, 263, 224, 127, 132) (26, 59, 245, 161, 46, 197, 268) (32, 87, 254, 86, 234, 156, 205) (33, 210, 167, 209, 239, 114, 44) (34, 50, 111, 141, 99, 65, 174) (35, 146, 170, 160, 92, 84, 52) (36, 48, 128, 173, 41, 63, 262) (37, 176, 54, 101, 81, 216, 249) (40, 230, 188, 49, 189, 93, 203) (43, 259, 191, 276, 145, 137, 212) (51, 56, 235, 217, 271, 123, 71) (53, 215, 150, 136, 226, 260, 96) (55, 206, 266, 162, 158, 275, 112) ([...]) , (1, 17, 10, 61, 20, 264, 220, 201, 23, 70, 57, 76, 64, 3) (2, 245, 168, 161, 232, 46, 91, 197, 223, 268, 267, 26, 31, 59) (4, 153, 30, 45, 89, 66, 27, 157, 69, 16, 25, 7, 247, 251) (5, 109, 90, 78, 236, 273, 270, 171, 74, 22, 185, 88, 261, 122) (6, 244, 225, 265, 204, 105, 124, 246, 172, 175, 116, 194, 233, 221) (8, 235, 144, 217, 139, 271, 107, 123, 243, 71, 29, 51, 58, 56) (9, 151, 199, 133, 75, 228, 62) (11, 205, 117, 32, 47, 87, 238, 254, 100, 86, 222, 234, 178, 156) (12, 149, 269, 131, 187, 182, 103, 207, 73, 60, 18, 120, 19, 252) (13, 68, 38, 80, 240, 257, 154, 184, 115, 83, 218, 152, 179, 130) (14, 237, 42, 181, 250, 263, 180, 224, 79, 127, 39, 132, 140, 24) (15, 215, 183, 150, 164, 136, 231, 226, 196, 260, 113, 96, 28, 53) (21, 50, 102, 111, 106, 141, 126, 99, 166, 65, 272, 174, 258, 34) (33, 239, 210, 114, 167, 44, 209) (35, 266, 146, 162, 170, 158, 160, 275, 92, 112, 84, 55, 52, 206) (36, 98, 48, 165, 128, 94, 173, 155, 41, 85, 63, 256, 262, 142) ([...]) , (1, 20, 23, 64, 10, 220, 57) (2, 232, 223, 31, 168, 91, 267) (3, 61, 201, 76, 17, 264, 70) (4, 89, 69, 247, 30, 27, 25) (5, 236, 74, 261, 90, 270, 185) (6, 204, 172, 233, 225, 124, 116) (7, 153, 66, 16, 251, 45, 157) (8, 139, 243, 58, 144, 107, 29) (9, 75, 151, 228, 199, 62, 133) (11, 47, 100, 178, 117, 238, 222) (12, 187, 73, 19, 269, 103, 18) (13, 240, 115, 179, 38, 154, 218) (14, 250, 79, 140, 42, 180, 39) (15, 164, 196, 28, 183, 231, 113) (21, 106, 166, 258, 102, 126, 272) (22, 122, 78, 171, 88, 109, 273) (24, 181, 224, 132, 237, 263, 127) (26, 245, 46, 268, 59, 161, 197) (32, 254, 234, 205, 87, 86, 156) (33, 167, 239, 44, 210, 209, 114) (34, 111, 99, 174, 50, 141, 65) (35, 170, 92, 52, 146, 160, 84) (36, 128, 41, 262, 48, 173, 63) (37, 54, 81, 249, 176, 101, 216) (40, 188, 189, 203, 230, 49, 93) (43, 191, 145, 212, 259, 276, 137) (51, 235, 271, 71, 56, 217, 123) (53, 150, 226, 96, 215, 136, 260) (55, 266, 158, 112, 206, 162, 275) ([...]) , (1, 23, 10, 57, 20, 64, 220) (2, 223, 168, 267, 232, 31, 91) (3, 201, 17, 70, 61, 76, 264) (4, 69, 30, 25, 89, 247, 27) (5, 74, 90, 185, 236, 261, 270) (6, 172, 225, 116, 204, 233, 124) (7, 66, 251, 157, 153, 16, 45) (8, 243, 144, 29, 139, 58, 107) (9, 151, 199, 133, 75, 228, 62) (11, 100, 117, 222, 47, 178, 238) (12, 73, 269, 18, 187, 19, 103) (13, 115, 38, 218, 240, 179, 154) (14, 79, 42, 39, 250, 140, 180) (15, 196, 183, 113, 164, 28, 231) (21, 166, 102, 272, 106, 258, 126) (22, 78, 88, 273, 122, 171, 109) (24, 224, 237, 127, 181, 132, 263) (26, 46, 59, 197, 245, 268, 161) (32, 234, 87, 156, 254, 205, 86) (33, 239, 210, 114, 167, 44, 209) (34, 99, 50, 65, 111, 174, 141) (35, 92, 146, 84, 170, 52, 160) (36, 41, 48, 63, 128, 262, 173) (37, 81, 176, 216, 54, 249, 101) (40, 189, 230, 93, 188, 203, 49) (43, 145, 259, 137, 191, 212, 276)

(51, 271, 56, 123, 235, 71, 217) (53, 226, 215, 260, 150, 96, 136) (55, 158, 206, 275, 266, 112, 162) ([...])
 , (1, 57, 220, 10, 64, 23, 20) (2, 267, 91, 168, 31, 223, 232) (3, 70, 264, 17, 76, 201, 61) (4, 25, 27, 30, 247,
 69, 89) (5, 185, 270, 90, 261, 74, 236) (6, 116, 124, 225, 233, 172, 204) (7, 157, 45, 251, 16, 66, 153) (8, 29,
 107, 144, 58, 243, 139) (9, 133, 62, 199, 228, 151, 75) (11, 222, 238, 117, 178, 100, 47) (12, 18, 103, 269, 19,
 73, 187) (13, 218, 154, 38, 179, 115, 240) (14, 39, 180, 42, 140, 79, 250) (15, 113, 231, 183, 28, 196, 164) (21,
 272, 126, 102, 258, 166, 106) (22, 273, 109, 88, 171, 78, 122) (24, 127, 263, 237, 132, 224, 181) (26, 197, 161,
 59, 268, 46, 245) (32, 156, 86, 87, 205, 234, 254) (33, 114, 209, 210, 44, 239, 167) (34, 65, 141, 50, 174, 99,
 111) (35, 84, 160, 146, 52, 92, 170) (36, 63, 173, 48, 262, 41, 128) (37, 216, 101, 176, 249, 81, 54) (40, 93, 49,
 230, 203, 189, 188) (43, 137, 276, 259, 212, 145, 191) (51, 123, 217, 56, 71, 271, 235) (53, 260, 136, 215, 96,
 226, 150) (55, 275, 162, 206, 112, 158, 266) ([...]) , (1, 61, 220, 70, 64, 17, 20, 201, 57, 3, 10, 264, 23, 76)
 (2, 161, 91, 268, 31, 245, 232, 197, 267, 59, 168, 46, 223, 26) (4, 45, 27, 16, 247, 153, 89, 157, 25, 251, 30,
 66, 69, 7) (5, 78, 270, 22, 261, 109, 236, 171, 185, 122, 90, 273, 74, 88) (6, 265, 124, 175, 233, 244, 204, 246,
 116, 221, 225, 105, 172, 194) (8, 217, 107, 71, 58, 235, 139, 123, 29, 56, 144, 271, 243, 51) (9, 133, 62, 199,
 228, 151, 75) (11, 32, 238, 86, 178, 205, 47, 254, 222, 156, 117, 87, 100, 234) (12, 131, 103, 60, 19, 149, 187,
 207, 18, 252, 269, 182, 73, 120) (13, 80, 154, 83, 179, 68, 240, 184, 218, 130, 38, 257, 115, 152) (14, 181, 180,
 127, 140, 237, 250, 224, 39, 24, 42, 263, 79, 132) (15, 150, 231, 260, 28, 215, 164, 226, 113, 53, 183, 136, 196,
 96) (21, 111, 126, 65, 258, 50, 106, 99, 272, 34, 102, 141, 166, 174) (33, 114, 209, 210, 44, 239, 167) (35, 162,
 160, 112, 52, 266, 170, 275, 84, 206, 146, 158, 92, 55) (36, 165, 173, 85, 262, 98, 128, 155, 63, 142, 48, 94, 41,
 256) ([...]) , (1, 64, 57, 23, 220, 20, 10) (2, 31, 267, 223, 91, 232, 168) (3, 76, 70, 201, 264, 61, 17) (4, 247,
 25, 69, 27, 89, 30) (5, 261, 185, 74, 270, 236, 90) (6, 233, 116, 172, 124, 204, 225) (7, 16, 157, 66, 45, 153,
 251) (8, 58, 29, 243, 107, 139, 144) (9, 228, 133, 151, 62, 75, 199) (11, 178, 222, 100, 238, 47, 117) (12, 19,
 18, 73, 103, 187, 269) (13, 179, 218, 115, 154, 240, 38) (14, 140, 39, 79, 180, 250, 42) (15, 28, 113, 196, 231,
 164, 183) (21, 258, 272, 166, 126, 106, 102) (22, 171, 273, 78, 109, 122, 88) (24, 132, 127, 224, 263, 181, 237)
 (26, 268, 197, 46, 161, 245, 59) (32, 205, 156, 234, 86, 254, 87) (33, 44, 114, 239, 209, 167, 210) (34, 174, 65,
 99, 141, 111, 50) (35, 52, 84, 92, 160, 170, 146) (36, 262, 63, 41, 173, 128, 48) (37, 249, 216, 81, 101, 54, 176)
 (40, 203, 93, 189, 49, 188, 230) (43, 212, 137, 145, 276, 191, 259) (51, 71, 123, 271, 217, 235, 56) (53, 96,
 260, 226, 136, 150, 215) (55, 112, 275, 158, 162, 266, 206) ([...]) , (1, 70, 20, 3, 23, 61, 64, 201, 10, 76, 220,
 17, 57, 264) (2, 268, 232, 59, 223, 161, 31, 197, 168, 26, 91, 245, 267, 46) (4, 16, 89, 251, 69, 45, 247, 157, 30,
 7, 27, 153, 25, 66) (5, 22, 236, 122, 74, 78, 261, 171, 90, 88, 270, 109, 185, 273) (6, 175, 204, 221, 172, 265,
 233, 246, 225, 194, 124, 244, 116, 105) (8, 71, 139, 56, 243, 217, 58, 123, 144, 51, 107, 235, 29, 271) (9, 199,
 75, 62, 151, 133, 228) (11, 86, 47, 156, 100, 32, 178, 254, 117, 234, 238, 205, 222, 87) (12, 60, 187, 252, 73,
 131, 19, 207, 269, 120, 103, 149, 18, 182) (13, 83, 240, 130, 115, 80, 179, 184, 38, 152, 154, 68, 218, 257) (14,
 127, 250, 24, 79, 181, 140, 224, 42, 132, 180, 237, 39, 263) (15, 260, 164, 53, 196, 150, 28, 226, 183, 96, 231,
 215, 113, 136) (21, 65, 106, 34, 166, 111, 258, 99, 102, 174, 126, 50, 272, 141) (33, 210, 167, 209, 239, 114,
 44) (35, 112, 170, 206, 92, 162, 52, 275, 146, 55, 160, 266, 84, 158) (36, 85, 128, 142, 41, 165, 262, 155, 48,
 256, 173, 98, 63, 94) ([...]) , (1, 76, 23, 264, 10, 3, 57, 201, 20, 17, 64, 70, 220, 61) (2, 26, 223, 46, 168, 59,
 267, 197, 232, 245, 31, 268, 91, 161) (4, 7, 69, 66, 30, 251, 25, 157, 89, 153, 247, 16, 27, 45) (5, 88, 74, 273,
 90, 122, 185, 171, 236, 109, 261, 22, 270, 78) (6, 194, 172, 105, 225, 221, 116, 246, 204, 244, 233, 175, 124,
 265) (8, 51, 243, 271, 144, 56, 29, 123, 139, 235, 58, 71, 107, 217) (9, 75, 151, 228, 199, 62, 133) (11, 234,
 100, 87, 117, 156, 222, 254, 47, 205, 178, 86, 238, 32) (12, 120, 73, 182, 269, 252, 18, 207, 187, 149, 19, 60,
 103, 131) (13, 152, 115, 257, 38, 130, 218, 184, 240, 68, 179, 83, 154, 80) (14, 132, 79, 263, 42, 24, 39, 224,
 250, 237, 140, 127, 180, 181) (15, 96, 196, 136, 183, 53, 113, 226, 164, 215, 28, 260, 231, 150) (21, 174, 166,
 141, 102, 34, 272, 99, 106, 50, 258, 65, 126, 111) (33, 167, 239, 44, 210, 209, 114) (35, 55, 92, 158, 146, 206,
 84, 275, 170, 266, 52, 112, 160, 162) (36, 256, 41, 94, 48, 142, 63, 155, 128, 98, 262, 85, 173, 165) ([...]) ,
 (1, 201) (2, 197) (3, 220) (4, 157) (5, 171) (6, 246) (7, 89) (8, 123) (10, 70) (11, 254) (12, 207) (13, 184) (14,
 224) (15, 226) (16, 30) (17, 23) (18, 131) (19, 182) (20, 76) (21, 99) (22, 90) (24, 180) (25, 45) (26, 232) (27,
 251) (28, 136) (29, 217) (31, 46) (32, 222) (34, 126) (35, 275) (36, 155) (37, 259) (38, 83) (39, 181) (40, 135)

(41, 98) (42, 127) (43, 249) (47, 234) (48, 85) (49, 211) (50, 166) (51, 139) (52, 158) (53, 231) (54, 276) (55, 170) (56, 107) (57, 61) (58, 271) (59, 91) (60, 269) (63, 165) (64, 264) (65, 102) (66, 247) (68, 115) (69, 153) (71, 144) (72, 241) (73, 149) (74, 109) (78, 185) (79, 237) (80, 218) (81, 137) (84, 162) (86, 117) (87, 178) (88, 236) (92, 266) (93, 192) (94, 262) (95, 129) (96, 164) (97, 195) (100, 205) (101, 145) (103, 252) (104, 138) (105, 233) (106, 174) (111, 272) (112, 146) (113, 150) (116, 265) (118, 203) (119, 169) (120, 187) (121, 148) (122, 270) (124, 221) (125, 230) (128, 256) (130, 154) (132, 250) (140, 263) (141, 258) (142, 173) ([...])) , (1, 220, 64, 20, 57, 10, 23) (2, 91, 31, 232, 267, 168, 223) (3, 264, 76, 61, 70, 17, 201) (4, 27, 247, 89, 25, 30, 69) (5, 270, 261, 236, 185, 90, 74) (6, 124, 233, 204, 116, 225, 172) (7, 45, 16, 153, 157, 251, 66) (8, 107, 58, 139, 29, 144, 243) (9, 62, 228, 75, 133, 199, 151) (11, 238, 178, 47, 222, 117, 100) (12, 103, 19, 187, 18, 269, 73) (13, 154, 179, 240, 218, 38, 115) (14, 180, 140, 250, 39, 42, 79) (15, 231, 28, 164, 113, 183, 196) (21, 126, 258, 106, 272, 102, 166) (22, 109, 171, 122, 273, 88, 78) (24, 263, 132, 181, 127, 237, 224) (26, 161, 268, 245, 197, 59, 46) (32, 86, 205, 254, 156, 87, 234) (33, 209, 44, 167, 114, 210, 239) (34, 141, 174, 111, 65, 50, 99) (35, 160, 52, 170, 84, 146, 92) (36, 173, 262, 128, 63, 48, 41) (37, 101, 249, 54, 216, 176, 81) (40, 49, 203, 188, 93, 230, 189) (43, 276, 212, 191, 137, 259, 145) (51, 217, 71, 235, 123, 56, 271) (53, 136, 96, 150, 260, 215, 226) (55, 162, 112, 266, 275, 206, 158) ([...])) , (1, 264, 57, 17, 220, 76, 10, 201, 64, 61, 23, 3, 20, 70) (2, 46, 267, 245, 91, 26, 168, 197, 31, 161, 223, 59, 232, 268) (4, 66, 25, 153, 27, 7, 30, 157, 247, 45, 69, 251, 89, 16) (5, 273, 185, 109, 270, 88, 90, 171, 261, 78, 74, 122, 236, 22) (6, 105, 116, 244, 124, 194, 225, 246, 233, 265, 172, 221, 204, 175) (8, 271, 29, 235, 107, 51, 144, 123, 58, 217, 243, 56, 139, 71) (9, 228, 133, 151, 62, 75, 199) (11, 87, 222, 205, 238, 234, 117, 254, 178, 32, 100, 156, 47, 86) (12, 182, 18, 149, 103, 120, 269, 207, 19, 131, 73, 252, 187, 60) (13, 257, 218, 68, 154, 152, 38, 184, 179, 80, 115, 130, 240, 83) (14, 263, 39, 237, 180, 132, 42, 224, 140, 181, 79, 24, 250, 127) (15, 136, 113, 215, 231, 96, 183, 226, 28, 150, 196, 53, 164, 260) (21, 141, 272, 50, 126, 174, 102, 99, 258, 111, 166, 34, 106, 65) (33, 44, 114, 239, 209, 167, 210) (35, 158, 84, 266, 160, 55, 146, 275, 52, 162, 92, 206, 170, 112) (36, 94, 63, 98, 173, 256, 48, 155, 262, 165, 41, 142, 128, 85) ([...])) .

The character table of $G^{s_{22}}$:

	10													
$\chi_{22}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{22}^{(2)}$	1	-1	1	-1	1	1	1	-1	1	-1	-1	-1	1	-1
$\chi_{22}^{(3)}$	1	A	/B	/A	C	/A	/C	/C	B	/B	C	1	A	B
$\chi_{22}^{(4)}$	1	-A	/B	-/A	C	/A	/C	-/C	B	-/B	-C	-1	A	-B
$\chi_{22}^{(5)}$	1	B	C	/B	/A	/B	A	A	/C	C	/A	1	B	/C
$\chi_{22}^{(6)}$	1	-B	C	-/B	/A	/B	A	-A	/C	-C	-/A	-1	B	-/C
$\chi_{22}^{(7)}$	1	C	A	/C	B	/C	/B	/B	/A	A	B	1	C	/A
$\chi_{22}^{(8)}$	1	-C	A	-/C	B	/C	/B	-/B	/A	-A	-B	-1	C	-/A
$\chi_{22}^{(9)}$	1	/C	/A	C	/B	C	B	B	A	/A	/B	1	/C	A
$\chi_{22}^{(10)}$	1	-/C	/A	-C	/B	C	B	-B	A	-/A	-/B	-1	/C	-A
$\chi_{22}^{(11)}$	1	/B	/C	B	A	B	/A	/A	C	/C	A	1	/B	C
$\chi_{22}^{(12)}$	1	-/B	/C	-B	A	B	/A	-/A	C	-/C	-A	-1	/B	-C
$\chi_{22}^{(13)}$	1	/A	B	A	/C	A	C	C	/B	B	/C	1	/A	/B
$\chi_{22}^{(14)}$	1	-/A	B	-A	/C	A	C	-C	/B	-B	-/C	-1	/A	-/B

where $A=E(7)^3$; $B=E(7)^6$; $C=E(7)^2$.

The generators of $G^{s_{23}}$ are:

(1, 259, 62, 246, 243, 217, 113, 191, 134, 18) (2, 143, 121, 184, 231, 150, 35, 220, 52, 177) (3, 91, 162, 5, 199, 114, 27, 110, 77, 250) (4, 225, 137, 146, 60, 56, 71, 84, 76, 201) (6, 209, 88, 261, 151, 178, 182, 195, 212, 117) (7, 274, 109, 251, 36, 235, 118, 107, 252, 39) (8, 11, 266, 176, 193, 168, 227, 276, 116, 48) (9, 86, 164, 125, 132, 128, 59, 185, 147, 200) (10, 226, 236, 169, 19, 254, 202, 149, 196, 207) (12, 273, 54, 31, 85, 80, 156, 38, 219, 40) (13, 263, 14, 161, 218, 22, 166, 42, 189, 81) (15, 213, 157, 239, 57, 108, 93, 214, 271,

230) (16, 96, 97, 210, 78, 272, 82, 115, 175, 270) (17, 89, 163, 101, 155, 25, 233, 67, 183, 221) (20, 144, 153, 92, 139, 215, 244, 165, 262, 120) (21, 100, 265, 70, 148, 257, 238, 248, 126, 34) (23, 138, 24, 29, 160, 192, 268, 267, 229, 142) (26, 181, 66, 237, 269, 194, 245, 106, 44, 50) (28, 249, 129, 140, 222) (30, 234, 188, 104, 255, 179, 186, 232, 41, 275) (32, 211, 61, 45, 73, 240, 208, 264, 187, 197) (33, 69, 180, 206, 37, 127, 74, 43, 167, 72) (46, 130) (47, 216, 105, 145, 95, 173, 223, 203, 124, 253) (49, 228, 90, 242, 131, 103, 51, 158, 258, 99) (53, 94, 154, 170, 247, 136, 241, 64, 119, 205) (55, 141, 58, 123, 159) (63, 174, 75, 135, 152, 133, 260, 256, 172, 98) (68, 83) (79, 122, 204, 190, 112, 171, 224, 111, 87, 102) , (1, 7) (2, 273) (3, 276) (4, 234) (5, 8) (6, 66) (9, 24) (10, 242) (11, 199) (12, 177) (13, 15) (14, 157) (16, 154) (17, 211) (18, 39) (19, 158) (20, 47) (21, 33) (22, 108) (23, 147) (25, 208) (26, 212) (27, 176) (28, 159) (29, 86) (30, 201) (31, 121) (32, 221) (34, 72) (35, 38) (36, 243) (37, 148) (40, 52) (41, 84) (42, 214) (43, 248) (44, 182) (45, 163) (46, 130) (48, 162) (49, 149) (50, 195) (51, 169) (53, 175) (54, 143) (55, 249) (56, 186) (57, 218) (58, 140) (59, 229) (60, 179) (61, 89) (62, 109) (63, 133) (64, 272) (65, 198) (67, 187) (69, 100) (70, 206) (71, 232) (73, 101) (74, 238) (75, 256) (76, 275) (77, 168) (78, 241) (80, 231) (81, 230) (82, 119) (85, 184) (88, 269) (90, 207) (91, 116) (92, 145) (93, 166) (94, 270) (95, 139) (96, 170) (97, 247) (98, 152) (99, 202) (103, 236) (104, 137) (105, 153) (106, 178) (107, 191) (110, 193) (113, 118) (114, 266) (115, 205) (117, 181) (120, 253) (123, 222) (124, 262) (125, 192) (126, 167) (127, 257) (128, 267) (129, 141) (131, 226) (132, 268) (134, 252) (135, 172) (136, 210) (138, 200) (142, 185) (144, 216) (146, 255) (150, 156) (151, 245) (155, 240) (160, 164) (161, 239) (165, 203) (173, 215) (174, 260) (180, 265) (183, 197) (188, 225) (189, 271) (194, 261) (196, 228) (209, 237) (213, 263) (217, 235) (219, 220) (223, 244) (227, 250) (233, 264) (246, 251) (254, 258) (259, 274).

The representatives of conjugacy classes of $G^{s_{23}}$ are:

() , (1, 7) (2, 273) (3, 276) (4, 234) (5, 8) (6, 66) (9, 24) (10, 242) (11, 199) (12, 177) (13, 15) (14, 157) (16, 154) (17, 211) (18, 39) (19, 158) (20, 47) (21, 33) (22, 108) (23, 147) (25, 208) (26, 212) (27, 176) (28, 159) (29, 86) (30, 201) (31, 121) (32, 221) (34, 72) (35, 38) (36, 243) (37, 148) (40, 52) (41, 84) (42, 214) (43, 248) (44, 182) (45, 163) (46, 130) (48, 162) (49, 149) (50, 195) (51, 169) (53, 175) (54, 143) (55, 249) (56, 186) (57, 218) (58, 140) (59, 229) (60, 179) (61, 89) (62, 109) (63, 133) (64, 272) (65, 198) (67, 187) (69, 100) (70, 206) (71, 232) (73, 101) (74, 238) (75, 256) (76, 275) (77, 168) (78, 241) (80, 231) (81, 230) (82, 119) (85, 184) (88, 269) (90, 207) (91, 116) (92, 145) (93, 166) (94, 270) (95, 139) (96, 170) (97, 247) (98, 152) (99, 202) (103, 236) (104, 137) (105, 153) (106, 178) (107, 191) (110, 193) (113, 118) (114, 266) (115, 205) (117, 181) (120, 253) (123, 222) (124, 262) (125, 192) (126, 167) (127, 257) (128, 267) (129, 141) (131, 226) ([...]) , (1, 18, 134, 191, 113, 217, 243, 246, 62, 259) (2, 177, 52, 220, 35, 150, 231, 184, 121, 143) (3, 250, 77, 110, 27, 114, 199, 5, 162, 91) (4, 201, 76, 84, 71, 56, 60, 146, 137, 225) (6, 117, 212, 195, 182, 178, 151, 261, 88, 209) (7, 39, 252, 107, 118, 235, 36, 251, 109, 274) (8, 48, 116, 276, 227, 168, 193, 176, 266, 11) (9, 200, 147, 185, 59, 128, 132, 125, 164, 86) (10, 207, 196, 149, 202, 254, 19, 169, 236, 226) (12, 40, 219, 38, 156, 80, 85, 31, 54, 273) (13, 81, 189, 42, 166, 22, 218, 161, 14, 263) (15, 230, 271, 214, 93, 108, 57, 239, 157, 213) (16, 270, 175, 115, 82, 272, 78, 210, 97, 96) (17, 221, 183, 67, 233, 25, 155, 101, 163, 89) (20, 120, 262, 165, 244, 215, 139, 92, 153, 144) (21, 34, 126, 248, 238, 257, 148, 70, 265, 100) (23, 142, 229, 267, 268, 192, 160, 29, 24, 138) (26, 50, 44, 106, 245, 194, 269, 237, 66, 181) (28, 222, 140, 129, 249) (30, 275, 41, 232, 186, 179, 255, 104, 188, 234) (32, 197, 187, 264, 208, 240, 73, 45, 61, 211) ([...]) , (1, 36, 134, 109, 113, 7, 243, 252, 62, 118) (2, 80, 52, 31, 35, 273, 231, 40, 121, 38) (3, 11, 77, 48, 27, 276, 199, 168, 162, 176) (4, 179, 76, 104, 71, 234, 60, 275, 137, 232) (5, 193, 91, 266, 250, 8, 110, 116, 114, 227) (6, 245, 212, 269, 182, 66, 151, 26, 88, 44) (9, 268, 147, 160, 59, 24, 132, 23, 164, 229) (10, 158, 196, 103, 202, 242, 19, 228, 236, 99) (12, 184, 219, 143, 156, 177, 85, 220, 54, 150) (13, 57, 189, 157, 166, 15, 218, 271, 14, 93) (16, 241, 175, 247, 82, 154, 78, 53, 97, 119) (17, 240, 183, 45, 233, 211, 155, 197, 163, 264) (18, 251, 191, 274, 217, 39, 246, 107, 259, 235) (20, 95, 262, 105, 244, 47, 139, 124, 153, 223) (21, 37, 126, 180, 238, 33, 148, 167, 265, 74) (22, 230, 161, 214, 263, 108, 81, 239, 42, 213) (25, 32, 101, 187, 89, 208, 221, 73, 67, 61) (28, 123, 140, 141, 249, 159, 222, 58, 129, 55) (29, 128, 138, 125, 142, 86, 267, 200, 192, 185) (30, 146, 41, 225, 186, 201, 255,

84, 188, 56) ([...]) , (1, 39, 134, 107, 113, 235, 243, 251, 62, 274) (2, 12, 52, 219, 35, 156, 231, 85, 121, 54) (3, 227, 77, 193, 27, 266, 199, 8, 162, 116) (4, 30, 76, 41, 71, 186, 60, 255, 137, 188) (5, 48, 91, 276, 250, 168, 110, 176, 114, 11) (6, 181, 212, 50, 182, 106, 151, 194, 88, 237) (7, 18, 252, 191, 118, 217, 36, 246, 109, 259) (9, 138, 147, 142, 59, 267, 132, 192, 164, 29) (10, 90, 196, 49, 202, 258, 19, 51, 236, 131) (13, 230, 189, 214, 166, 108, 218, 239, 14, 213) (15, 81, 271, 42, 93, 22, 57, 161, 157, 263) (16, 94, 175, 205, 82, 64, 78, 136, 97, 170) (17, 32, 183, 187, 233, 208, 155, 73, 163, 61) (20, 253, 262, 203, 244, 173, 139, 145, 153, 216) (21, 72, 126, 43, 238, 127, 148, 206, 265, 69) (23, 185, 229, 128, 268, 125, 160, 86, 24, 200) (25, 240, 101, 45, 89, 211, 221, 197, 67, 264) (26, 195, 44, 178, 245, 261, 269, 209, 66, 117) (28, 123, 140, 141, 249, 159, 222, 58, 129, 55) (31, 143, 273, 177, 40, 220, 38, 150, 80, 184) ([...]) , (1, 62, 243, 113, 134) (2, 121, 231, 35, 52) (3, 162, 199, 27, 77) (4, 137, 60, 71, 76) (5, 114, 110, 250, 91) (6, 88, 151, 182, 212) (7, 109, 36, 118, 252) (8, 266, 193, 227, 116) (9, 164, 132, 59, 147) (10, 236, 19, 202, 196) (11, 176, 168, 276, 48) (12, 54, 85, 156, 219) (13, 14, 218, 166, 189) (15, 157, 57, 93, 271) (16, 97, 78, 82, 175) (17, 163, 155, 233, 183) (18, 259, 246, 217, 191) (20, 153, 139, 244, 262) (21, 265, 148, 238, 126) (22, 42, 81, 263, 161) (23, 24, 160, 268, 229) (25, 67, 221, 89, 101) (26, 66, 269, 245, 44) (28, 129, 222, 249, 140) (29, 192, 267, 142, 138) (30, 188, 255, 186, 41) (31, 80, 38, 40, 273) (32, 61, 73, 208, 187) (33, 180, 37, 74, 167) (34, 100, 70, 257, 248) (39, 274, 251, 235, 107) (43, 72, 69, 206, 127) (45, 240, 264, 197, 211) (47, 105, 95, 223, 124) (49, 90, 131, 51, 258) (50, 181, 237, 194, 106) (53, 154, 247, 241, 119) (55, 58, 159, 141, 123) (56, 84, 201, 225, 146) (63, 75, 152, 260, 172) ([...]) , (1, 107, 243, 274, 134, 235, 62, 39, 113, 251) (2, 219, 231, 54, 52, 156, 121, 12, 35, 85) (3, 193, 199, 116, 77, 266, 162, 227, 27, 8) (4, 41, 60, 188, 76, 186, 137, 30, 71, 255) (5, 276, 110, 11, 91, 168, 114, 48, 250, 176) (6, 50, 151, 237, 212, 106, 88, 181, 182, 194) (7, 191, 36, 259, 252, 217, 109, 18, 118, 246) (9, 142, 132, 29, 147, 267, 164, 138, 59, 192) (10, 49, 19, 131, 196, 258, 236, 90, 202, 51) (13, 214, 218, 213, 189, 108, 14, 230, 166, 239) (15, 42, 57, 263, 271, 22, 157, 81, 93, 161) (16, 205, 78, 170, 175, 64, 97, 94, 82, 136) (17, 187, 155, 61, 183, 208, 163, 32, 233, 73) (20, 203, 139, 216, 262, 173, 153, 253, 244, 145) (21, 43, 148, 69, 126, 127, 265, 72, 238, 206) (23, 128, 160, 200, 229, 125, 24, 185, 268, 86) (25, 45, 221, 264, 101, 211, 67, 240, 89, 197) (26, 178, 269, 117, 44, 261, 66, 195, 245, 209) (28, 141, 222, 55, 140, 159, 129, 123, 249, 58) (31, 177, 38, 184, 273, 220, 80, 143, 40, 150) ([...]) , (1, 109, 243, 118, 134, 7, 62, 36, 113, 252) (2, 31, 231, 38, 52, 273, 121, 80, 35, 40) (3, 48, 199, 176, 77, 276, 162, 11, 27, 168) (4, 104, 60, 232, 76, 234, 137, 179, 71, 275) (5, 266, 110, 227, 91, 8, 114, 193, 250, 116) (6, 269, 151, 44, 212, 66, 88, 245, 182, 26) (9, 160, 132, 229, 147, 24, 164, 268, 59, 23) (10, 103, 19, 99, 196, 242, 236, 158, 202, 228) (12, 143, 85, 150, 219, 177, 54, 184, 156, 220) (13, 157, 218, 93, 189, 15, 14, 57, 166, 271) (16, 247, 78, 119, 175, 154, 97, 241, 82, 53) (17, 45, 155, 264, 183, 211, 163, 240, 233, 197) (18, 274, 246, 235, 191, 39, 259, 251, 217, 107) (20, 105, 139, 223, 262, 47, 153, 95, 244, 124) (21, 180, 148, 74, 126, 33, 265, 37, 238, 167) (22, 214, 81, 213, 161, 108, 42, 230, 263, 239) (25, 187, 221, 61, 101, 208, 67, 32, 89, 73) (28, 141, 222, 55, 140, 159, 129, 123, 249, 58) (29, 125, 267, 185, 138, 86, 192, 128, 142, 200) (30, 225, 255, 56, 41, 201, 188, 146, 186, 84) ([...]) , (1, 113, 62, 134, 243) (2, 35, 121, 52, 231) (3, 27, 162, 77, 199) (4, 71, 137, 76, 60) (5, 250, 114, 91, 110) (6, 182, 88, 212, 151) (7, 118, 109, 252, 36) (8, 227, 266, 116, 193) (9, 59, 164, 147, 132) (10, 202, 236, 196, 19) (11, 276, 176, 48, 168) (12, 156, 54, 219, 85) (13, 166, 14, 189, 218) (15, 93, 157, 271, 57) (16, 82, 97, 175, 78) (17, 233, 163, 183, 155) (18, 217, 259, 191, 246) (20, 244, 153, 262, 139) (21, 238, 265, 126, 148) (22, 263, 42, 161, 81) (23, 268, 24, 229, 160) (25, 89, 67, 101, 221) (26, 245, 66, 44, 269) (28, 249, 129, 140, 222) (29, 142, 192, 138, 267) (30, 186, 188, 41, 255) (31, 40, 80, 273, 38) (32, 208, 61, 187, 73) (33, 74, 180, 167, 37) (34, 257, 100, 248, 70) (39, 235, 274, 107, 251) (43, 206, 72, 127, 69) (45, 197, 240, 211, 264) (47, 223, 105, 124, 95) (49, 51, 90, 258, 131) (50, 194, 181, 106, 237) (53, 241, 154, 119, 247) (55, 141, 58, 123, 159) (56, 225, 84, 146, 201) (63, 260, 75, 172, 152) ([...]) , (1, 118, 62, 252, 243, 7, 113, 109, 134, 36) (2, 38, 121, 40, 231, 273, 35, 31, 52, 80) (3, 176, 162, 168, 199, 276, 27, 48, 77, 11) (4, 232, 137, 275, 60, 234, 71, 104, 76, 179) (5, 227, 114, 116, 110, 8, 250, 266, 91, 193) (6, 44, 88, 26, 151, 66, 182, 269, 212, 245) (9, 229, 164, 23, 132, 24, 59, 160, 147, 268) (10, 99, 236, 228, 19, 242, 202, 103, 196, 158) (12, 150, 54, 220, 85, 177, 156, 143, 219, 184) (13, 93, 14, 271, 218, 15, 166, 157, 189, 57) (16, 119, 97, 53, 78, 154, 82, 247, 175, 241) (17, 264, 163, 197,

155, 211, 233, 45, 183, 240) (18, 235, 259, 107, 246, 39, 217, 274, 191, 251) (20, 223, 153, 124, 139, 47, 244,
 105, 262, 95) (21, 74, 265, 167, 148, 33, 238, 180, 126, 37) (22, 213, 42, 239, 81, 108, 263, 214, 161, 230) (25,
 61, 67, 73, 221, 208, 89, 187, 101, 32) (28, 55, 129, 58, 222, 159, 249, 141, 140, 123) (29, 185, 192, 200, 267,
 86, 142, 125, 138, 128) (30, 56, 188, 84, 255, 201, 186, 225, 41, 146) ([...]) , (1, 134, 113, 243, 62) (2, 52,
 35, 231, 121) (3, 77, 27, 199, 162) (4, 76, 71, 60, 137) (5, 91, 250, 110, 114) (6, 212, 182, 151, 88) (7, 252,
 118, 36, 109) (8, 116, 227, 193, 266) (9, 147, 59, 132, 164) (10, 196, 202, 19, 236) (11, 48, 276, 168, 176) (12,
 219, 156, 85, 54) (13, 189, 166, 218, 14) (15, 271, 93, 57, 157) (16, 175, 82, 78, 97) (17, 183, 233, 155, 163)
 (18, 191, 217, 246, 259) (20, 262, 244, 139, 153) (21, 126, 238, 148, 265) (22, 161, 263, 81, 42) (23, 229, 268,
 160, 24) (25, 101, 89, 221, 67) (26, 44, 245, 269, 66) (28, 140, 249, 222, 129) (29, 138, 142, 267, 192) (30, 41,
 186, 255, 188) (31, 273, 40, 38, 80) (32, 187, 208, 73, 61) (33, 167, 74, 37, 180) (34, 248, 257, 70, 100) (39,
 107, 235, 251, 274) (43, 127, 206, 69, 72) (45, 211, 197, 264, 240) (47, 124, 223, 95, 105) (49, 258, 51, 131,
 90) (50, 106, 194, 237, 181) (53, 119, 241, 247, 154) (55, 123, 141, 159, 58) (56, 146, 225, 201, 84) (63, 172,
 260, 152, 75) ([...]) , (1, 191, 243, 259, 134, 217, 62, 18, 113, 246) (2, 220, 231, 143, 52, 150, 121, 177, 35,
 184) (3, 110, 199, 91, 77, 114, 162, 250, 27, 5) (4, 84, 60, 225, 76, 56, 137, 201, 71, 146) (6, 195, 151, 209,
 212, 178, 88, 117, 182, 261) (7, 107, 36, 274, 252, 235, 109, 39, 118, 251) (8, 276, 193, 11, 116, 168, 266, 48,
 227, 176) (9, 185, 132, 86, 147, 128, 164, 200, 59, 125) (10, 149, 19, 226, 196, 254, 236, 207, 202, 169) (12,
 38, 85, 273, 219, 80, 54, 40, 156, 31) (13, 42, 218, 263, 189, 22, 14, 81, 166, 161) (15, 214, 57, 213, 271, 108,
 157, 230, 93, 239) (16, 115, 78, 96, 175, 272, 97, 270, 82, 210) (17, 67, 155, 89, 183, 25, 163, 221, 233, 101)
 (20, 165, 139, 144, 262, 215, 153, 120, 244, 92) (21, 248, 148, 100, 126, 257, 265, 34, 238, 70) (23, 267, 160,
 138, 229, 192, 24, 142, 268, 29) (26, 106, 269, 181, 44, 194, 66, 50, 245, 237) (28, 129, 222, 249, 140) (30,
 232, 255, 234, 41, 179, 188, 275, 186, 104) (32, 264, 73, 211, 187, 240, 61, 197, 208, 45) ([...]) , (1, 217) (2,
 150) (3, 114) (4, 56) (5, 77) (6, 178) (7, 235) (8, 168) (9, 128) (10, 254) (11, 227) (12, 80) (13, 22) (14, 42)
 (15, 108) (16, 272) (17, 25) (18, 243) (19, 207) (20, 215) (21, 257) (23, 192) (24, 267) (26, 194) (27, 91) (29,
 229) (30, 179) (31, 219) (32, 240) (33, 127) (34, 148) (35, 143) (36, 39) (37, 72) (38, 54) (40, 85) (41, 104)
 (43, 180) (44, 237) (45, 187) (46, 130) (47, 173) (48, 193) (49, 103) (50, 269) (51, 228) (52, 184) (53, 136)
 (57, 230) (59, 86) (60, 201) (61, 264) (62, 191) (63, 133) (64, 154) (66, 106) (67, 163) (68, 83) (69, 74) (70,
 126) (71, 225) (73, 197) (75, 256) (76, 146) (78, 270) (79, 171) (81, 218) (82, 96) (84, 137) (87, 190) (88,
 195) (89, 233) (90, 158) (92, 262) (93, 213) (94, 241) (95, 253) (97, 115) (98, 152) (99, 131) (100, 238) (101,
 183) (102, 112) (105, 203) (107, 109) (110, 162) (111, 204) (113, 259) (116, 176) (117, 151) (118, 274) (119,
 170) (120, 139) (121, 220) (122, 224) (124, 145) (125, 147) (132, 200) (134, 246) (135, 172) ([...]) , (1, 235)
 (2, 156) (3, 266) (4, 186) (5, 168) (6, 106) (7, 217) (8, 77) (9, 267) (10, 258) (11, 250) (12, 231) (13, 108)
 (14, 214) (15, 22) (16, 64) (17, 208) (18, 36) (19, 90) (20, 173) (21, 127) (23, 125) (24, 128) (25, 211) (26,
 261) (27, 116) (28, 159) (29, 59) (30, 60) (31, 220) (32, 155) (33, 257) (34, 37) (35, 54) (38, 143) (39, 243)
 (40, 184) (41, 137) (42, 157) (43, 265) (44, 209) (45, 67) (47, 215) (48, 110) (49, 236) (50, 88) (51, 196) (52,
 85) (53, 210) (55, 249) (56, 234) (57, 81) (58, 140) (61, 233) (62, 107) (65, 198) (66, 178) (68, 83) (69, 238)
 (70, 167) (71, 188) (72, 148) (73, 183) (74, 100) (76, 255) (78, 94) (79, 171) (80, 177) (82, 170) (84, 104)
 (86, 229) (87, 190) (89, 264) (91, 176) (92, 124) (93, 263) (95, 120) (96, 119) (97, 205) (99, 226) (101, 197)
 (102, 112) (103, 149) (105, 165) (109, 191) (111, 204) (113, 274) (114, 276) (115, 247) (117, 245) (118, 259)
 (121, 219) (122, 224) (123, 222) (126, 206) (129, 141) (131, 202) (132, 138) (134, 251) (136, 175) ([...]) ,
 (1, 243, 134, 62, 113) (2, 231, 52, 121, 35) (3, 199, 77, 162, 27) (4, 60, 76, 137, 71) (5, 110, 91, 114, 250) (6,
 151, 212, 88, 182) (7, 36, 252, 109, 118) (8, 193, 116, 266, 227) (9, 132, 147, 164, 59) (10, 19, 196, 236, 202)
 (11, 168, 48, 176, 276) (12, 85, 219, 54, 156) (13, 218, 189, 14, 166) (15, 57, 271, 157, 93) (16, 78, 175, 97,
 82) (17, 155, 183, 163, 233) (18, 246, 191, 259, 217) (20, 139, 262, 153, 244) (21, 148, 126, 265, 238) (22, 81,
 161, 42, 263) (23, 160, 229, 24, 268) (25, 221, 101, 67, 89) (26, 269, 44, 66, 245) (28, 222, 140, 129, 249) (29,
 267, 138, 192, 142) (30, 255, 41, 188, 186) (31, 38, 273, 80, 40) (32, 73, 187, 61, 208) (33, 37, 167, 180, 74)
 (34, 70, 248, 100, 257) (39, 251, 107, 274, 235) (43, 69, 127, 72, 206) (45, 264, 211, 240, 197) (47, 95, 124,
 105, 223) (49, 131, 258, 90, 51) (50, 237, 106, 181, 194) (53, 247, 119, 154, 241) (55, 159, 123, 58, 141) (56,

201, 146, 84, 225) (63, 152, 172, 75, 260) ([...]) , (1, 246, 113, 18, 62, 217, 134, 259, 243, 191) (2, 184, 35, 177, 121, 150, 52, 143, 231, 220) (3, 5, 27, 250, 162, 114, 77, 91, 199, 110) (4, 146, 71, 201, 137, 56, 76, 225, 60, 84) (6, 261, 182, 117, 88, 178, 212, 209, 151, 195) (7, 251, 118, 39, 109, 235, 252, 274, 36, 107) (8, 176, 227, 48, 266, 168, 116, 11, 193, 276) (9, 125, 59, 200, 164, 128, 147, 86, 132, 185) (10, 169, 202, 207, 236, 254, 196, 226, 19, 149) (12, 31, 156, 40, 54, 80, 219, 273, 85, 38) (13, 161, 166, 81, 14, 22, 189, 263, 218, 42) (15, 239, 93, 230, 157, 108, 271, 213, 57, 214) (16, 210, 82, 270, 97, 272, 175, 96, 78, 115) (17, 101, 233, 221, 163, 25, 183, 89, 155, 67) (20, 92, 244, 120, 153, 215, 262, 144, 139, 165) (21, 70, 238, 34, 265, 257, 126, 100, 148, 248) (23, 29, 268, 142, 24, 192, 229, 138, 160, 267) (26, 237, 245, 50, 66, 194, 44, 181, 269, 106) (28, 140, 249, 222, 129) (30, 104, 186, 275, 188, 179, 41, 234, 255, 232) (32, 45, 208, 197, 61, 240, 187, 211, 73, 264) ([...]) , (1, 251, 113, 39, 62, 235, 134, 274, 243, 107) (2, 85, 35, 12, 121, 156, 52, 54, 231, 219) (3, 8, 27, 227, 162, 266, 77, 116, 199, 193) (4, 255, 71, 30, 137, 186, 76, 188, 60, 41) (5, 176, 250, 48, 114, 168, 91, 11, 110, 276) (6, 194, 182, 181, 88, 106, 212, 237, 151, 50) (7, 246, 118, 18, 109, 217, 252, 259, 36, 191) (9, 192, 59, 138, 164, 267, 147, 29, 132, 142) (10, 51, 202, 90, 236, 258, 196, 131, 19, 49) (13, 239, 166, 230, 14, 108, 189, 213, 218, 214) (15, 161, 93, 81, 157, 22, 271, 263, 57, 42) (16, 136, 82, 94, 97, 64, 175, 170, 78, 205) (17, 73, 233, 32, 163, 208, 183, 61, 155, 187) (20, 145, 244, 253, 153, 173, 262, 216, 139, 203) (21, 206, 238, 72, 265, 127, 126, 69, 148, 43) (23, 86, 268, 185, 24, 125, 229, 200, 160, 128) (25, 197, 89, 240, 67, 211, 101, 264, 221, 45) (26, 209, 245, 195, 66, 261, 44, 117, 269, 178) (28, 58, 249, 123, 129, 159, 140, 55, 222, 141) (31, 150, 40, 143, 80, 220, 273, 184, 38, 177) ([...]) , (1, 252, 113, 36, 62, 7, 134, 118, 243, 109) (2, 40, 35, 80, 121, 273, 52, 38, 231, 31) (3, 168, 27, 11, 162, 276, 77, 176, 199, 48) (4, 275, 71, 179, 137, 234, 76, 232, 60, 104) (5, 116, 250, 193, 114, 8, 91, 227, 110, 266) (6, 26, 182, 245, 88, 66, 212, 44, 151, 269) (9, 23, 59, 268, 164, 24, 147, 229, 132, 160) (10, 228, 202, 158, 236, 242, 196, 99, 19, 103) (12, 220, 156, 184, 54, 177, 219, 150, 85, 143) (13, 271, 166, 57, 14, 15, 189, 93, 218, 157) (16, 53, 82, 241, 97, 154, 175, 119, 78, 247) (17, 197, 233, 240, 163, 211, 183, 264, 155, 45) (18, 107, 217, 251, 259, 39, 191, 235, 246, 274) (20, 124, 244, 95, 153, 47, 262, 223, 139, 105) (21, 167, 238, 37, 265, 33, 126, 74, 148, 180) (22, 239, 263, 230, 42, 108, 161, 213, 81, 214) (25, 73, 89, 32, 67, 208, 101, 61, 221, 187) (28, 58, 249, 123, 129, 159, 140, 55, 222, 141) (29, 200, 142, 128, 192, 86, 138, 185, 267, 125) (30, 84, 186, 146, 188, 201, 41, 56, 255, 225) ([...]) , (1, 259, 62, 246, 243, 217, 113, 191, 134, 18) (2, 143, 121, 184, 231, 150, 35, 220, 52, 177) (3, 91, 162, 5, 199, 114, 27, 110, 77, 250) (4, 225, 137, 146, 60, 56, 71, 84, 76, 201) (6, 209, 88, 261, 151, 178, 182, 195, 212, 117) (7, 274, 109, 251, 36, 235, 118, 107, 252, 39) (8, 11, 266, 176, 193, 168, 227, 276, 116, 48) (9, 86, 164, 125, 132, 128, 59, 185, 147, 200) (10, 226, 236, 169, 19, 254, 202, 149, 196, 207) (12, 273, 54, 31, 85, 80, 156, 38, 219, 40) (13, 263, 14, 161, 218, 22, 166, 42, 189, 81) (15, 213, 157, 239, 57, 108, 93, 214, 271, 230) (16, 96, 97, 210, 78, 272, 82, 115, 175, 270) (17, 89, 163, 101, 155, 25, 233, 67, 183, 221) (20, 144, 153, 92, 139, 215, 244, 165, 262, 120) (21, 100, 265, 70, 148, 257, 238, 248, 126, 34) (23, 138, 24, 29, 160, 192, 268, 267, 229, 142) (26, 181, 66, 237, 269, 194, 245, 106, 44, 50) (28, 249, 129, 140, 222) (30, 234, 188, 104, 255, 179, 186, 232, 41, 275) (32, 211, 61, 45, 73, 240, 208, 264, 187, 197) ([...]) , (1, 274, 62, 251, 243, 235, 113, 107, 134, 39) (2, 54, 121, 85, 231, 156, 35, 219, 52, 12) (3, 116, 162, 8, 199, 266, 27, 193, 77, 227) (4, 188, 137, 255, 60, 186, 71, 41, 76, 30) (5, 11, 114, 176, 110, 168, 250, 276, 91, 48) (6, 237, 88, 194, 151, 106, 182, 50, 212, 181) (7, 259, 109, 246, 36, 217, 118, 191, 252, 18) (9, 29, 164, 192, 132, 267, 59, 142, 147, 138) (10, 131, 236, 51, 19, 258, 202, 49, 196, 90) (13, 213, 14, 239, 218, 108, 166, 214, 189, 230) (15, 263, 157, 161, 57, 22, 93, 42, 271, 81) (16, 170, 97, 136, 78, 64, 82, 205, 175, 94) (17, 61, 163, 73, 155, 208, 233, 187, 183, 32) (20, 216, 153, 145, 139, 173, 244, 203, 262, 253) (21, 69, 265, 206, 148, 127, 238, 43, 126, 72) (23, 200, 24, 86, 160, 125, 268, 128, 229, 185) (25, 264, 67, 197, 221, 211, 89, 45, 101, 240) (26, 117, 66, 209, 269, 261, 245, 178, 44, 195) (28, 55, 129, 58, 222, 159, 249, 141, 140, 123) (31, 184, 80, 150, 38, 220, 40, 177, 273, 143) ([...]) .

The character table of $G^{s_{23}}$:

	10																		20
$\chi_{23}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{23}^{(2)}$	1	-1	-1	-1	1	1	1	-1	1	-1	1	-1	-1	1	1	-1	1	-1	1
$\chi_{23}^{(3)}$	1	-1	1	-1	-1	1	-1	-1	1	-1	1	1	1	-1	1	1	-1	-1	-1
$\chi_{23}^{(4)}$	1	1	-1	1	-1	1	-1	1	1	1	1	-1	-1	-1	1	-1	-1	1	-1
$\chi_{23}^{(5)}$	1	-1	A	A	-A	-B	-B	/B	-/A	/A	-B	/B	-1	1	-A	B	-B	B	/A
$\chi_{23}^{(6)}$	1	-1	B	B	-B	-A	-A	A	-/B	/B	-/A	A	-1	1	-B	/A	-/A	/A	/B
$\chi_{23}^{(7)}$	1	-1	/B	/B	-/B	-/A	-/A	/A	-B	B	-A	/A	-1	1	-/B	A	-A	A	B
$\chi_{23}^{(8)}$	1	-1	/A	/A	-/A	-B	-B	B	-A	A	-/B	B	-1	1	-/A	/B	-/B	/B	A
$\chi_{23}^{(9)}$	1	-1	-/A	/A	/A	-B	B	B	-A	A	-/B	-B	1	-1	-/A	-/B	/B	/B	-A
$\chi_{23}^{(10)}$	1	-1	-/B	/B	/B	-/A	/A	/A	-B	B	-A	-/A	1	-1	-/B	-A	A	A	-B
$\chi_{23}^{(11)}$	1	-1	-B	B	B	-A	A	A	-/B	/B	-/A	-A	1	-1	-B	-/A	/A	/A	-/B
$\chi_{23}^{(12)}$	1	-1	-A	A	A	-/B	/B	/B	-/A	/A	-B	-/B	1	-1	-A	-B	B	B	-/A
$\chi_{23}^{(13)}$	1	1	A	-A	A	-/B	/B	-/B	-/A	-/A	-B	/B	-1	-1	-A	B	B	-B	/A
$\chi_{23}^{(14)}$	1	1	B	-B	B	-A	A	-A	-/B	-/B	-/A	A	-1	-1	-B	/A	/A	-/A	/B
$\chi_{23}^{(15)}$	1	1	/B	-/B	/B	-/A	/A	-/A	-B	-B	-A	/A	-1	-1	-/B	A	A	-A	B
$\chi_{23}^{(16)}$	1	1	/A	-/A	/A	-B	B	-B	-A	-A	-/B	B	-1	-1	-/A	/B	/B	-/B	A
$\chi_{23}^{(17)}$	1	1	-/A	-/A	-/A	-B	-B	-B	-A	-A	-/B	-B	1	1	-/A	-/B	-/B	-/B	-A
$\chi_{23}^{(18)}$	1	1	-/B	-/B	-/B	-/A	-/A	-/A	-B	-B	-A	-/A	1	1	-/B	-A	-A	-A	-B
$\chi_{23}^{(19)}$	1	1	-B	-B	-B	-A	-A	-A	-/B	-/B	-/A	-A	1	1	-B	-/A	-/A	-/A	-/B
$\chi_{23}^{(20)}$	1	1	-A	-A	-A	-/B	-/B	-/B	-/A	-/A	-B	-/B	1	1	-A	-B	-B	-B	-/A

where A=-E(5); B=-E(5)².The generators of $G^{s_{24}}$ are:

(1, 4, 98, 165, 87, 101, 243, 271) (2, 18, 175, 57, 25, 254, 115, 61) (3, 272, 178, 48, 50, 117, 201, 221) (5, 113, 202, 99) (6, 170, 237, 7, 215, 127, 78, 245) (8, 118, 263, 76, 246, 168, 197, 205) (9, 119, 264, 219, 174, 58, 85, 238) (10, 214, 19, 144, 60, 128, 131, 191) (11, 256, 122, 83, 222, 190, 79, 185) (12, 39, 241, 16, 64, 108, 231, 189) (13, 226, 182, 105, 195, 28, 32, 196) (14, 54, 66, 42, 62, 109, 139, 236) (15, 232, 70, 247, 244, 100, 176, 52) (17, 124, 46, 65, 63, 207, 166, 235) (20, 43, 126, 69, 152, 227, 158, 55) (21, 211, 242, 27, 148, 45, 159, 225) (22, 218, 167, 204, 120, 114, 234, 96) (23, 187, 72, 255, 169, 90, 53, 80) (24, 162, 164, 145) (26, 251, 77, 262, 240, 91, 210, 95) (29, 51, 136, 110, 116, 34, 160, 224) (30, 188, 259, 198, 177, 135, 163, 181) (31, 252, 125, 228, 186, 81, 84, 37) (33, 233, 153, 217, 249, 123, 88, 161) (35, 111, 157, 230) (36, 147, 154, 229, 149, 213, 104, 208) (38, 92, 155, 94, 270, 267, 173, 130) (40, 194) (41, 250, 193, 200, 56, 82, 216, 220) (44, 239, 132, 67, 156, 106, 143, 212) (47, 183, 141, 107, 248, 275, 180, 102) (49, 89, 142, 151, 140, 74, 257, 75) (59, 112, 206, 223, 68, 273, 172, 276) (71, 73, 129, 265, 269, 179, 138, 266) (86, 274, 260, 103) (93, 146, 268, 199) (97, 184) (121, 133, 150, 192) (134, 209) (171, 253, 261, 203) , (1, 20) (3, 236) (4, 43) (5, 202) (6, 255) (7, 53) (8, 257) (9, 193) (10, 185) (11, 214) (12, 52) (13, 195) (14, 272) (15, 39) (16, 70) (19, 256) (22, 71) (23, 127) (24, 164) (26, 276) (28, 226) (29, 180) (30, 38) (31, 153) (32, 182) (33, 84) (34, 107) (36, 149) (37, 233) (40, 194) (41, 85) (42, 50) (44, 156) (47, 136) (48, 66) (49, 263) (51, 102) (54, 178) (55, 271) (56, 264) (58, 220) (59, 251) (60, 83) (62, 117) (64, 247) (67, 212) (68, 91) (69, 165) (72, 245) (73, 218) (74, 205) (75, 118) (76, 89) (77, 112) (78, 187) (79, 191) (80, 215) (81, 161) (82, 219) (86, 260) (87, 152) (88, 186) (90, 237) (92, 188) (94, 198) (95, 172) (96, 266) (97, 134) (98, 126) (99, 113) (100, 231) (101, 227) (103, 274) (104, 154) (105, 196) (106, 239) (108, 244) (109, 201) (110, 183) (114, 179) (116, 141) (119, 200) (120, 269) (121, 150) (122, 144) (123, 228) (125, 249) (128, 222) (129, 167) (130, 181) (131, 190) (132, 143) (133, 192) (135, 267) (137, 258) (138, 234) (139, 221) (140, 197) (142, 246) (145, 162) (147, 213) (151, 168) (155, 259) (158, 243) (160, 248) (163, 173) (169, 170) (174, 216) (176, 189) (177, 270) (184, 209) (204, 265) (206, 262) (208, 229) (210, 273) (217, 252) (223, 240) (224,

275) (232, 241) (238, 250) , (1, 30, 87, 177) (2, 154, 25, 104) (3, 167, 50, 234) (4, 188, 101, 135) (5, 133) (6, 52, 215, 247) (7, 70, 245, 176) (8, 59, 246, 68) (9, 85, 174, 264) (10, 185, 60, 83) (11, 128, 222, 214) (12, 255, 64, 80) (13, 21, 195, 148) (14, 266, 62, 265) (15, 127, 244, 170) (16, 53, 189, 72) (17, 44, 63, 156) (18, 229, 254, 208) (19, 256, 131, 190) (20, 270, 152, 38) (22, 178, 120, 201) (23, 39, 169, 108) (26, 74, 240, 89) (27, 196, 225, 105) (28, 45, 226, 211) (29, 249, 116, 33) (31, 248, 186, 47) (32, 159, 182, 242) (34, 233, 51, 123) (36, 175, 149, 115) (37, 107, 228, 102) (41, 193, 56, 216) (42, 129, 236, 138) (43, 267, 227, 92) (46, 132, 166, 143) (48, 114, 221, 218) (49, 95, 140, 262) (54, 71, 109, 269) (55, 94, 69, 130) (57, 213, 61, 147) (58, 219, 119, 238) (65, 67, 235, 212) (66, 73, 139, 179) (75, 210, 151, 77) (76, 223, 205, 276) (78, 100, 237, 232) (79, 144, 122, 191) (81, 183, 252, 275) (82, 220, 250, 200) (84, 141, 125, 180) (88, 160, 153, 136) (90, 231, 187, 241) (91, 142, 251, 257) (93, 253) (96, 272, 204, 117) (97, 184) (98, 259, 243, 163) (99, 121) (106, 124, 239, 207) (110, 161, 224, 217) (112, 168, 273, 118) (113, 150) (126, 173, 158, 155) (134, 209) (146, 261) (165, 198, 271, 181) (171, 199) (172, 263, 206, 197) (192, 202) (203, 268).

The representatives of conjugacy classes of $G^{s_{24}}$ are:

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259) (21, 182, 148, 32) (22, 42, 120, 236) (23, 70, 169, 176) (26, 118, 240, 168) (27, 28, 225, 226) (29, 186, 116, 31) (30, 158, 177, 126) (33, 47, 249, 248) (34, 252, 51, 81) (35, 157) (37, 224, 228, 110) (38, 98, 270, 243) (40, 194) (41, 264, 56, 85) (43, 181, 227, 198) (44, 166, 156, 46) (45, 196, 211, 105) (48, 266, 221, 265) (49, 59, 140, 68) (52, 187, 247, 90) (54, 167, 109, 234) (55, 135, 69, 188) (57, 229, 61, 208) (58, 220, 119, 200) (65, 239, 235, 106) (66, 204, 139, 96) (67, 124, 212, 207) (73, 272, 179, 117) (74, 273, 89, 112) (75, 276, 151, 223) (76, 210, 205, 77) (80, 232, 255, 100) (82, 238, 250, 219) ([...]) , (1, 163) (2, 36) (3, 22) (4, 181) (5, 192) (6, 100) (7, 15) (8, 172) (9, 174) (10, 190) (11, 144) (12, 187) (13, 159) (14, 179) (16, 169) (17, 143) (18, 147) (19, 185) (20, 155) (21, 182) (23, 189) (24, 164) (25, 149) (26, 151) (27, 28) (29, 153) (30, 98) (31, 141) (32, 148) (33, 160) (34, 161) (35, 157) (37, 183) (38, 158) (39, 72) (42, 71) (43, 94) (44, 46) (45, 196) (47, 84) (48, 204) (49, 91) (50, 120) (51, 217) (52, 237) (53, 108) (54, 138) (55, 92) (57, 229) (58, 119) (59, 263) (60, 256) (61, 208) (62, 73) (63, 132) (64, 90) (65, 239) (66, 266) (67, 207) (68, 197) (69, 267) (70, 127) (74, 77) (75, 240) (76, 112) (78, 247) (79,

214) (80, 231) (81, 102) (83, 131) (85, 264) (86, 260) (87, 259) (88, 116) (89, 210) (93, 203) (95, 142) (96, 221) (97, 184) (99, 150) (101, 198) (103, 274) (104, 115) (105, 211) (106, 235) (107, 252) (109, 129) (110, 123) (111, 230) (113, 121) (114, 117) (118, 276) (122, 128) (124, 212) (125, 248) (126, 270) (130, 227) (133, 202) (134, 209) (135, 271) ([...]) , (1, 165, 243, 4, 87, 271, 98, 101) (2, 57, 115, 18, 25, 61, 175, 254) (3, 48, 201, 272, 50, 221, 178, 117) (5, 99, 202, 113) (6, 7, 78, 170, 215, 245, 237, 127) (8, 76, 197, 118, 246, 205, 263, 168) (9, 219, 85, 119, 174, 238, 264, 58) (10, 144, 131, 214, 60, 191, 19, 128) (11, 83, 79, 256, 222, 185, 122, 190) (12, 16, 231, 39, 64, 189, 241, 108) (13, 105, 32, 226, 195, 196, 182, 28) (14, 42, 139, 54, 62, 236, 66, 109) (15, 247, 176, 232, 244, 52, 70, 100) (17, 65, 166, 124, 63, 235, 46, 207) (20, 69, 158, 43, 152, 55, 126, 227) (21, 27, 159, 211, 148, 225, 242, 45) (22, 204, 234, 218, 120, 96, 167, 114) (23, 255, 53, 187, 169, 80, 72, 90) (24, 145, 164, 162) (26, 262, 210, 251, 240, 95, 77, 91) (29, 110, 160, 51, 116, 224, 136, 34) (30, 198, 163, 188, 177, 181, 259, 135) (31, 228, 84, 252, 186, 37, 125, 81) (33, 217, 88, 233, 249, 161, 153, 123) (35, 230, 157, 111) (36, 229, 104, 147, 149, 208, 154, 213) (38, 94, 173, 92, 270, 130, 155, 267) ([...]) , (1, 181, 98, 188, 87, 198, 243, 135) (2, 147, 175, 229, 25, 213, 115, 208) (3, 218, 178, 204, 50, 114, 201, 96) (4, 30, 165, 259, 101, 177, 271, 163) (5, 121, 202, 150) (6, 176, 237, 15, 215, 70, 78, 244) (7, 232, 127, 247, 245, 100, 170, 52) (8, 276, 263, 112, 246, 223, 197, 273) (9, 58, 264, 238, 174, 119, 85, 219) (10, 79, 19, 11, 60, 122, 131, 222) (12, 72, 241, 169, 64, 53, 231, 23) (13, 225, 182, 211, 195, 27, 32, 45) (14, 138, 66, 71, 62, 129, 139, 269) (16, 90, 108, 80, 189, 187, 39, 255) (17, 212, 46, 239, 63, 67, 166, 106) (18, 154, 57, 149, 254, 104, 61, 36) (20, 94, 126, 267, 152, 130, 158, 92) (21, 105, 242, 28, 148, 196, 159, 226) (22, 272, 167, 48, 120, 117, 234, 221) (24, 145, 164, 162) (26, 140, 77, 257, 240, 49, 210, 142) (29, 217, 136, 123, 116, 161, 160, 233) (31, 107, 125, 275, 186, 102, 84, 183) (33, 224, 153, 51, 249, 110, 88, 34) (35, 230, 157, 111) (37, 141, 252, 248, 228, 180, 81, 47) (38, 55, 155, 43, 270, 69, 173, 227) ([...]) , (1, 243, 87, 98) (2, 115, 25, 175) (3, 201, 50, 178) (4, 271, 101, 165) (5, 202) (6, 78, 215, 237) (7, 170, 245, 127) (8, 197, 246, 263) (9, 85, 174, 264) (10, 131, 60, 19) (11, 79, 222, 122) (12, 231, 64, 241) (13, 32, 195, 182) (14, 139, 62, 66) (15, 176, 244, 70) (16, 39, 189, 108) (17, 166, 63, 46) (18, 61, 254, 57) (20, 158, 152, 126) (21, 159, 148, 242) (22, 234, 120, 167) (23, 53, 169, 72) (24, 164) (26, 210, 240, 77) (27, 211, 225, 45) (28, 105, 226, 196) (29, 160, 116, 136) (30, 163, 177, 259) (31, 84, 186, 125) (33, 88, 249, 153) (34, 110, 51, 224) (35, 157) (36, 104, 149, 154) (37, 81, 228, 252) (38, 173, 270, 155) (41, 216, 56, 193) (42, 54, 236, 109) (43, 55, 227, 69) (44, 143, 156, 132) (47, 180, 248, 141) (48, 272, 221, 117) (49, 257, 140, 142) (52, 100, 247, 232) (58, 219, 119, 238) (59, 172, 68, 206) (65, 124, 235, 207) (67, 239, 212, 106) (71, 138, 269, 129) (73, 266, 179, 265) (74, 151, 89, 75) (76, 118, 205, 168) (80, 90, 255, 187) ([...]) , (1, 271, 243, 101, 87, 165, 98, 4) (2, 61, 115, 254, 25, 57, 175, 18) (3, 221, 201, 117, 50, 48, 178, 272) (5, 99, 202, 113) (6, 245, 78, 127, 215, 7, 237, 170) (8, 205, 197, 168, 246, 76, 263, 118) (9, 238, 85, 58, 174, 219, 264, 119) (10, 191, 131, 128, 60, 144, 19, 214) (11, 185, 79, 190, 222, 83, 122, 256) (12, 189, 231, 108, 64, 16, 241, 39) (13, 196, 32, 28, 195, 105, 182, 226) (14, 236, 139, 109, 62, 42, 66, 54) (15, 52, 176, 100, 244, 247, 70, 232) (17, 235, 166, 207, 63, 65, 46, 124) (20, 55, 158, 227, 152, 69, 126, 43) (21, 225, 159, 45, 148, 27, 242, 211) (22, 96, 234, 114, 120, 204, 167, 218) (23, 80, 53, 90, 169, 255, 72, 187) (24, 145, 164, 162) (26, 95, 210, 91, 240, 262, 77, 251) (29, 224, 160, 34, 116, 110, 136, 51) (30, 181, 163, 135, 177, 198, 259, 188) (31, 37, 84, 81, 186, 228, 125, 252) (33, 161, 88, 123, 249, 217, 153, 233) (35, 230, 157, 111) (36, 208, 104, 213, 149, 229, 154, 147) (38, 130, 173, 267, 270, 94, 155, 92) ([...]) .

The character table of $G^{s_{24}}$:

	10										20							
$\chi_{24}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{24}^{(2)}$	1	-1	-1	-1	1	1	1	-1	-1	1	-1	-1	1	1	-1	-1	1	-1
$\chi_{24}^{(3)}$	1	-1	-1	1	-1	1	1	1	1	1	-1	-1	-1	-1	1	-1	-1	1
$\chi_{24}^{(4)}$	1	-1	1	-1	-1	-1	1	1	1	1	-1	1	1	-1	-1	-1	1	-1
$\chi_{24}^{(5)}$	1	-1	1	1	1	-1	-1	1	-1	-1	1	-1	1	1	-1	-1	1	-1
$\chi_{24}^{(6)}$	1	1	-1	-1	1	-1	-1	1	1	1	1	-1	-1	1	-1	1	-1	1
$\chi_{24}^{(7)}$	1	1	-1	1	-1	-1	1	-1	-1	1	1	-1	1	-1	1	1	1	1
$\chi_{24}^{(8)}$	1	1	1	-1	-1	1	1	1	-1	-1	1	1	1	-1	-1	-1	1	1
$\chi_{24}^{(9)}$	1	A	-1	-1	1	-A	A	1	A	-A	-1	A	1	-A	-1	1	-A	A
$\chi_{24}^{(10)}$	1	-A	-1	-1	1	A	-A	1	-A	A	-1	-A	1	A	-1	1	A	-A
$\chi_{24}^{(11)}$	1	A	-1	1	-1	-A	A	1	-A	A	-1	A	1	A	1	-1	-A	-A
$\chi_{24}^{(12)}$	1	-A	-1	1	-1	A	-A	1	A	-A	-1	-A	1	-A	1	-1	A	A
$\chi_{24}^{(13)}$	1	A	1	-1	-1	A	-A	1	-A	A	-1	A	-1	-A	1	1	-A	A
$\chi_{24}^{(14)}$	1	-A	1	-1	-1	-A	A	1	A	-A	-1	-A	-1	A	1	1	A	-A
$\chi_{24}^{(15)}$	1	A	1	1	1	A	-A	1	A	-A	-1	A	-1	A	-1	-1	-A	-A
$\chi_{24}^{(16)}$	1	-A	1	1	1	-A	A	1	-A	A	-1	-A	-1	-A	-1	-1	A	A
$\chi_{24}^{(17)}$	2	B	.	.	.	.	.	-2	.	.	C	-B	.	.	.	.	-/B	.
$\chi_{24}^{(18)}$	2	-/B	.	.	.	.	.	-2	.	.	-C	/B	.	.	.	.	B	.
$\chi_{24}^{(19)}$	2	/B	.	.	.	.	.	-2	.	.	-C	-/B	.	.	.	.	-B	.
$\chi_{24}^{(20)}$	2	-B	.	.	.	.	.	-2	.	.	C	B	.	.	.	.	/B	.

where $A = -E(4) = -ER(-1) = -i$; $B = -2^*E(8)$; $C = 2^*E(4) = 2^*ER(-1) = 2i$.The generators of $G^{s_{25}}$ are:

(1, 98, 87, 243) (2, 175, 25, 115) (3, 178, 50, 201) (4, 165, 101, 271) (5, 202) (6, 237, 215, 78) (7, 127, 245, 170) (8, 263, 246, 197) (9, 264, 174, 85) (10, 19, 60, 131) (11, 122, 222, 79) (12, 241, 64, 231) (13, 182, 195, 32) (14, 66, 62, 139) (15, 70, 244, 176) (16, 108, 189, 39) (17, 46, 63, 166) (18, 57, 254, 61) (20, 126, 152, 158) (21, 242, 148, 159) (22, 167, 120, 234) (23, 72, 169, 53) (24, 164) (26, 77, 240, 210) (27, 45, 225, 211) (28, 196, 226, 105) (29, 136, 116, 160) (30, 259, 177, 163) (31, 125, 186, 84) (33, 153, 249, 88) (34, 224, 51, 110) (35, 157) (36, 154, 149, 104) (37, 252, 228, 81) (38, 155, 270, 173) (41, 193, 56, 216) (42, 109, 236, 54) (43, 69, 227, 55) (44, 132, 156, 143) (47, 141, 248, 180) (48, 117, 221, 272) (49, 142, 140, 257) (52, 232, 247, 100) (58, 238, 119, 219) (59, 206, 68, 172) (65, 207, 235, 124) (67, 106, 212, 239) (71, 129, 269, 138) (73, 265, 179, 266) (74, 75, 89, 151) (76, 168, 205, 118) (80, 187, 255, 90) (82, 220, 250, 200) (83, 190, 185, 256) (86, 260) (91, 95, 251, 262) (92, 94, 267, 130) (93, 268) (96, 218, 204, 114) (99, 113) (102, 183, 107, 275) (103, 274) (111, 230) (112, 223, 273, 276) (121, 150) (123, 161, 233, 217) (128, 191, 214, 144) (133, 192) (135, 181, 188, 198) (145, 162) (146, 199) (147, 229, 213, 208) (171, 261) (203, 253) , (2, 44) (3, 109) (4, 190) (5, 202) (6, 210) (7, 123) (8, 16) (9, 48) (10, 55) (11, 38) (12, 47) (13, 46) (14, 56) (15, 49) (17, 32) (18, 196) (19, 43) (20, 152) (21, 36) (22, 58) (23, 252) (24, 164) (25, 156) (26, 237) (27, 239) (28, 61) (29, 232) (30, 128) (31, 151) (33, 205) (34, 59) (35, 199) (37, 53) (39, 197) (40, 194) (41, 62) (42, 201) (45, 67) (50, 54) (51, 68) (52, 160) (57, 226) (60, 69) (63, 182) (64, 248) (65, 213) (66, 216) (70, 142) (71, 200) (72, 228) (73, 204) (74, 125) (75, 186) (76, 249) (77, 215) (78, 240) (79, 173) (80, 273) (81, 169) (82, 129) (83, 271) (84, 89) (85, 272) (86, 133) (88, 168) (90, 223) (91, 107) (95, 275) (96, 179) (97, 137) (99, 103) (100, 116) (101, 256) (102, 251) (104, 159) (105, 254) (106, 225) (108, 263) (110, 172) (111, 253) (112, 255) (113, 274) (114, 265) (115, 143) (117, 264) (118, 153) (119, 120) (121, 150) (122, 155) (124, 229) (126, 158) (127, 161) (131, 227) (132, 175) (134, 258) (135, 188) (136, 247) (138, 250) (139, 193) (140, 244) (141, 241) (144, 163) (145, 162) (146, 157) (147, 235) (148, 149) (154, 242) (165, 185) (166, 195) (167, 238) (170, 217) (174, 221) (176, 257) (177, 214) (178,

236) (180, 231) (181, 198) (183, 262) (184, 209) (187, 276) (189, 246) (191, 259) (192, 260) (203, 230) (206, 224) (207, 208) (211, 212) (218, 266) (219, 234) (220, 269) (222, 270) (233, 245) , (2, 63, 225, 65) (4, 262, 129, 273) (5, 150, 145, 24) (6, 19, 224, 238) (7, 12, 53, 52) (8, 14, 151, 163) (9, 33, 11, 15) (10, 34, 58, 78) (13, 67, 229, 143) (16, 56, 31, 144) (17, 27, 235, 25) (18, 254) (21, 159, 148, 242) (22, 240, 55, 59) (23, 232, 127, 241) (26, 69, 68, 120) (28, 226) (29, 161, 141, 252) (30, 263, 66, 74) (32, 239, 147, 156) (35, 199) (36, 104, 149, 154) (37, 160, 123, 47) (38, 49, 48, 205) (39, 193, 84, 214) (40, 209, 194, 184) (41, 186, 191, 189) (43, 206, 167, 210) (44, 182, 106, 213) (45, 124, 115, 46) (51, 119, 237, 60) (57, 61) (62, 75, 259, 246) (64, 72, 247, 245) (70, 264, 153, 122) (71, 223, 271, 251) (73, 265, 179, 266) (76, 270, 140, 221) (77, 227, 172, 234) (79, 176, 85, 88) (80, 190, 183, 82) (81, 116, 217, 180) (83, 102, 200, 90) (86, 113, 192, 103) (89, 177, 197, 139) (91, 269, 276, 165) (92, 94, 267, 130) (93, 171, 268, 261) (95, 138, 112, 101) (96, 218, 204, 114) (97, 134) (99, 133, 274, 260) (100, 170, 231, 169) (105, 196) (107, 220, 187, 185) (108, 216, 125, 128) (110, 219, 215, 131) (111, 203) (117, 118, 155, 142) (121, 162, 164, 202) (132, 195, 212, 208) (135, 181, 188, 198) (136, 233, 248, 228) (137, 258) (146, 157) (166, 211, 207, 175) (168, 173, 257, 272) (174, 249, 222, 244) (230, 253) (250, 255, 256, 275) , (1, 3, 20, 236) (2, 17, 225, 235) (4, 216, 167, 222) (5, 103, 162, 99) (6, 151, 275, 257) (7, 53) (8, 255, 168, 224) (9, 138, 214, 227) (10, 177, 220, 221) (11, 101, 193, 234) (12, 52) (13, 44, 208, 239) (14, 256, 173, 238) (15, 95, 84, 77) (16, 59, 153, 223) (18, 254) (19, 163, 250, 272) (21, 159, 148, 242) (22, 122, 271, 56) (23, 127) (24, 192, 121, 260) (25, 63, 27, 65) (26, 176, 91, 186) (28, 196, 226, 105) (29, 47, 116, 248) (30, 200, 48, 60) (31, 240, 70, 251) (32, 143, 213, 212) (33, 112, 39, 172) (34, 197, 187, 76) (35, 203) (37, 217, 228, 161) (38, 119, 66, 83) (41, 120, 79, 165) (42, 87, 50, 152) (43, 174, 129, 128) (45, 207, 115, 166) (46, 211, 124, 175) (49, 237, 74, 102) (51, 263, 90, 205) (54, 98, 178, 126) (55, 264, 71, 144) (57, 61) (58, 139, 185, 270) (62, 190, 155, 219) (64, 247) (67, 182, 132, 147) (68, 88, 276, 189) (69, 85, 269, 191) (72, 245) (73, 181, 114, 94) (75, 183, 142, 215) (78, 89, 107, 140) (80, 118, 110, 246) (81, 233, 252, 123) (82, 117, 131, 259) (86, 164, 133, 150) (92, 266, 135, 204) (93, 261, 268, 171) (96, 267, 265, 188) (97, 258, 134, 137) (100, 231) (106, 195, 156, 229) (108, 206, 249, 273) (109, 243, 201, 158) (111, 199) (113, 202, 274, 145) (125, 210, 244, 262) (130, 179, 198, 218) (136, 141, 160, 180) (146, 230) (157, 253) (169, 170) (232, 241) , (1, 4, 98, 165, 87, 101, 243, 271) (2, 18, 175, 57, 25, 254, 115, 61) (3, 272, 178, 48, 50, 117, 201, 221) (5, 113, 202, 99) (6, 170, 237, 7, 215, 127, 78, 245) (8, 118, 263, 76, 246, 168, 197, 205) (9, 119, 264, 219, 174, 58, 85, 238) (10, 214, 19, 144, 60, 128, 131, 191) (11, 256, 122, 83, 222, 190, 79, 185) (12, 39, 241, 16, 64, 108, 231, 189) (13, 226, 182, 105, 195, 28, 32, 196) (14, 54, 66, 42, 62, 109, 139, 236) (15, 232, 70, 247, 244, 100, 176, 52) (17, 124, 46, 65, 63, 207, 166, 235) (20, 43, 126, 69, 152, 227, 158, 55) (21, 211, 242, 27, 148, 45, 159, 225) (22, 218, 167, 204, 120, 114, 234, 96) (23, 187, 72, 255, 169, 90, 53, 80) (24, 162, 164, 145) (26, 251, 77, 262, 240, 91, 210, 95) (29, 51, 136, 110, 116, 34, 160, 224) (30, 188, 259, 198, 177, 135, 163, 181) (31, 252, 125, 228, 186, 81, 84, 37) (33, 233, 153, 217, 249, 123, 88, 161) (35, 111, 157, 230) (36, 147, 154, 229, 149, 213, 104, 208) (38, 92, 155, 94, 270, 267, 173, 130) (40, 194) (41, 250, 193, 200, 56, 82, 216, 220) (44, 239, 132, 67, 156, 106, 143, 212) (47, 183, 141, 107, 248, 275, 180, 102) (49, 89, 142, 151, 140, 74, 257, 75) (59, 112, 206, 223, 68, 273, 172, 276) (71, 73, 129, 265, 269, 179, 138, 266) (86, 274, 260, 103) (93, 146, 268, 199) (97, 184) (121, 133, 150, 192) (134, 209) (171, 253, 261, 203).

The representatives of conjugacy classes of $G^{s_{25}}$ are:

() , (1, 87) (2, 25) (3, 50) (4, 101) (6, 215) (7, 245) (8, 246) (9, 174) (10, 60) (11, 222) (12, 64) (13, 195) (14, 62) (15, 244) (16, 189) (17, 63) (18, 254) (19, 131) (20, 152) (21, 148) (22, 120) (23, 169) (26, 240) (27, 225) (28, 226) (29, 116) (30, 177) (31, 186) (32, 182) (33, 249) (34, 51) (36, 149) (37, 228) (38, 270) (39, 108) (41, 56) (42, 236) (43, 227) (44, 156) (45, 211) (46, 166) (47, 248) (48, 221) (49, 140) (52, 247) (53, 72) (54, 109) (55, 69) (57, 61) (58, 119) (59, 68) (65, 235) (66, 139) (67, 212) (70, 176) (71, 269) (73, 179) (74, 89) (75, 151) (76, 205) (77, 210) (78, 237) (79, 122) (80, 255) (81, 252) (82, 250) (83, 185) (84, 125) (85, 264) (88, 153) (90, 187) (91, 251) (92, 267) (94, 130) (95, 262) (96, 204) (98, 243) (100, 232) (102, 107) (104, 154) (105, 196) (106, 239) (110, 224) (112, 273) (114, 218) (115, 175) (117, 272) (118, 168) (123, 233) (124, 207)

(126, 158) (127, 170) (128, 214) (129, 138) (132, 143) (135, 188) (136, 160) (141, 180) (142, 257) (144, 191)
 ([...]) , (1, 98, 87, 243) (2, 175, 25, 115) (3, 178, 50, 201) (4, 165, 101, 271) (5, 202) (6, 237, 215, 78) (7,
 127, 245, 170) (8, 263, 246, 197) (9, 264, 174, 85) (10, 19, 60, 131) (11, 122, 222, 79) (12, 241, 64, 231) (13,
 182, 195, 32) (14, 66, 62, 139) (15, 70, 244, 176) (16, 108, 189, 39) (17, 46, 63, 166) (18, 57, 254, 61) (20,
 126, 152, 158) (21, 242, 148, 159) (22, 167, 120, 234) (23, 72, 169, 53) (24, 164) (26, 77, 240, 210) (27, 45,
 225, 211) (28, 196, 226, 105) (29, 136, 116, 160) (30, 259, 177, 163) (31, 125, 186, 84) (33, 153, 249, 88) (34,
 224, 51, 110) (35, 157) (36, 154, 149, 104) (37, 252, 228, 81) (38, 155, 270, 173) (41, 193, 56, 216) (42, 109,
 236, 54) (43, 69, 227, 55) (44, 132, 156, 143) (47, 141, 248, 180) (48, 117, 221, 272) (49, 142, 140, 257) (52,
 232, 247, 100) (58, 238, 119, 219) (59, 206, 68, 172) (65, 207, 235, 124) (67, 106, 212, 239) (71, 129, 269,
 138) (73, 265, 179, 266) (74, 75, 89, 151) (76, 168, 205, 118) (80, 187, 255, 90) ([...]) , (1, 243, 87, 98) (2,
 115, 25, 175) (3, 201, 50, 178) (4, 271, 101, 165) (5, 202) (6, 78, 215, 237) (7, 170, 245, 127) (8, 197, 246,
 263) (9, 85, 174, 264) (10, 131, 60, 19) (11, 79, 222, 122) (12, 231, 64, 241) (13, 32, 195, 182) (14, 139, 62,
 66) (15, 176, 244, 70) (16, 39, 189, 108) (17, 166, 63, 46) (18, 61, 254, 57) (20, 158, 152, 126) (21, 159, 148,
 242) (22, 234, 120, 167) (23, 53, 169, 72) (24, 164) (26, 210, 240, 77) (27, 211, 225, 45) (28, 105, 226, 196)
 (29, 160, 116, 136) (30, 163, 177, 259) (31, 84, 186, 125) (33, 88, 249, 153) (34, 110, 51, 224) (35, 157) (36,
 104, 149, 154) (37, 81, 228, 252) (38, 173, 270, 155) (41, 216, 56, 193) (42, 54, 236, 109) (43, 55, 227, 69)
 (44, 143, 156, 132) (47, 180, 248, 141) (48, 272, 221, 117) (49, 257, 140, 142) (52, 100, 247, 232) (58, 219,
 119, 238) (59, 172, 68, 206) (65, 124, 235, 207) (67, 239, 212, 106) (71, 138, 269, 129) (73, 266, 179, 265)
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 (57, 61) (59, 271, 240, 71) (60, 90, 119, 102) (62, 142, 259, 118) (64, 72, 247, 245) (67, 195, 143, 208) (69,
 276, 120, 91) (73, 96, 179, 204) (75, 117, 246, 155) (76, 139, 140, 177) (77, 138, 172, 101) (79, 186, 85, 189)
 (80, 219, 183, 131) (82, 110, 190, 215) (86, 274, 192, 99) ([...]) , (1, 245, 3, 247, 20, 72, 236, 64) (2, 63,
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 148, 159) (23, 109, 241, 243, 127, 201, 232, 158) (26, 237, 85, 30, 276, 90, 41, 38) (28, 149, 105, 154, 226, 36,
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 (13, 67, 32, 239, 195, 212, 182, 106) (14, 59, 183, 79, 272, 251, 110, 191) (15, 83, 129, 140, 39, 60, 167, 197)
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199) (37, 266, 141, 198, 233, 96, 116, 94) (40, 134, 209, 258, 194, 97, 184, 137) (41, 173, 240, 215, 85, 163, 223, 80) (44, 208, 143, 213, 156, 229, 132, 147) (47, 188, 161, 114, 136, 92, 81, 179) ([...]) , (2, 182, 225, 213) (3, 109) (4, 183, 129, 80) (5, 121, 145, 164) (6, 43, 224, 167) (7, 47, 53, 160) (8, 56, 151, 144) (9, 205, 11, 49) (10, 59, 58, 240) (12, 37, 52, 123) (13, 45, 229, 115) (14, 31, 163, 16) (15, 48, 33, 38) (17, 239, 235, 156) (18, 105) (19, 206, 238, 210) (20, 152) (21, 104, 148, 154) (22, 78, 55, 34) (23, 29, 127, 141) (24, 202, 150, 162) (25, 32, 27, 147) (26, 60, 68, 119) (28, 57) (30, 108, 66, 125) (36, 159, 149, 242) (39, 139, 84, 177) (40, 184, 194, 209) (41, 75, 191, 246) (42, 201) (44, 63, 106, 65) (46, 67, 124, 143) (50, 54) (51, 120, 237, 69) (61, 226) (62, 186, 259, 189) (64, 228, 247, 233) (70, 117, 153, 155) (71, 90, 271, 102) (72, 136, 245, 248) (73, 114, 179, 218) (74, 128, 263, 216) (76, 222, 140, 174) (77, 131, 172, 219) (79, 257, 85, 168) (81, 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(62, 84, 163, 108) (63, 212, 235, 143) (71, 80, 165, 275) (73, 96) (82, 276, 256, 251) (83, 262, 220, 112) (85, 205, 122, 140) (86, 103, 192, 113) ([...]) , (1, 3, 243, 201, 87, 50, 98, 178) (2, 208, 115, 213, 25, 229, 175, 147) (4, 155, 271, 38, 101, 173, 165, 270) (5, 274, 202, 103) (6, 244, 78, 70, 215, 15, 237, 176) (7, 81, 170, 228, 245, 252, 127, 37) (8, 59, 197, 172, 246, 68, 263, 206) (9, 60, 85, 19, 174, 10, 264, 131) (11, 119, 79, 238, 222, 58, 122, 219) (12, 116, 231, 136, 64, 29, 241, 160) (13, 211, 32, 225, 195, 45, 182, 27) (14, 22, 139, 234, 62, 120, 66, 167) (16, 255, 39, 187, 189, 80, 108, 90) (17, 143, 166, 156, 63, 132, 46, 44) (18, 226, 61, 196, 254, 28, 57, 105) (20, 42, 158, 54, 152, 236, 126, 109) (21, 36, 159, 104, 148, 149, 242, 154) (23, 123, 53, 217, 169, 233, 72, 161) (24, 133, 164, 192) (26, 74, 210, 151, 240, 89, 77, 75) (30, 43, 163, 55, 177, 227, 259, 69) (31, 275, 84, 107, 186, 183, 125, 102) (33, 51, 88, 224, 249, 34, 153, 110) (35, 111, 157, 230) (40, 194) (41, 190, 216, 83, 56, 256, 193, 185) (47, 52, 180, 100, 248, 247, 141, 232) (48, 138, 272, 269, 221, 129, 117, 71) ([...]) , (1, 178, 98, 50, 87, 201, 243, 3) (2, 147, 175, 229, 25, 213, 115, 208) (4, 270, 165, 173, 101, 38, 271, 155) (5, 103, 202, 274) (6, 176, 237, 15, 215, 70, 78, 244) (7, 37, 127, 252, 245, 228, 170, 81) (8, 206, 263, 68, 246, 172, 197, 59) (9, 131, 264, 10, 174, 19, 85, 60) (11, 219, 122, 58, 222, 238, 79, 119) (12, 160, 241, 29, 64, 136, 231, 116) (13, 27, 182, 45, 195, 225, 32, 211) (14, 167, 66, 120, 62, 234, 139, 22) (16, 90, 108, 80, 189, 187, 39, 255) (17, 44, 46, 132, 63, 156, 166, 143) (18, 105, 57, 28, 254, 196, 61, 226) (20, 109, 126, 236, 152, 54, 158, 42) (21, 154, 242, 149, 148, 104, 159, 36) (23, 161, 72, 233, 169, 217, 53, 123) (24, 192, 164, 133) (26, 75, 77, 89, 240, 151, 210, 74) (30, 69, 259, 227, 177, 55, 163, 43) (31, 102, 125, 183, 186, 107, 84, 275) (33, 110, 153, 34, 249, 224, 88, 51) (35, 230, 157, 111) (40, 194) (41, 185, 193, 256, 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180, 252, 47, 228, 141, 81, 248) (38, 69, 155, 227, 270, 55, 173, 43) ([...]) , (1, 135, 243, 198, 87, 188, 98, 181) (2, 208, 115, 213, 25, 229, 175, 147) (3, 96, 201, 114, 50, 204, 178, 218) (4, 163, 271, 177, 101, 259, 165, 30) (5, 150, 202, 121) (6, 244, 78, 70, 215, 15, 237, 176) (7, 52,

170, 100, 245, 247, 127, 232) (8, 273, 197, 223, 246, 112, 263, 276) (9, 219, 85, 119, 174, 238, 264, 58) (10, 222, 131, 122, 60, 11, 19, 79) (12, 23, 231, 53, 64, 169, 241, 72) (13, 45, 32, 27, 195, 211, 182, 225) (14, 269, 139, 129, 62, 71, 66, 138) (16, 255, 39, 187, 189, 80, 108, 90) (17, 106, 166, 67, 63, 239, 46, 212) (18, 36, 61, 104, 254, 149, 57, 154) (20, 92, 158, 130, 152, 267, 126, 94) (21, 226, 159, 196, 148, 28, 242, 105) (22, 221, 234, 117, 120, 48, 167, 272) (24, 162, 164, 145) (26, 142, 210, 49, 240, 257, 77, 140) (29, 233, 160, 161, 116, 123, 136, 217) (31, 183, 84, 102, 186, 275, 125, 107) (33, 34, 88, 110, 249, 51, 153, 224) (35, 111, 157, 230) (37, 47, 81, 180, 228, 248, 252, 141) (38, 227, 173, 69, 270, 43, 155, 55) ([...]) , (1, 174, 215, 201, 131, 176, 98, 85, 78, 3, 10, 15, 87, 9, 6, 178, 19, 70, 243, 264, 237, 50, 60, 244) (2, 226, 17, 213, 254, 156, 175, 105, 46, 208, 61, 143, 25, 28, 63, 147, 18, 44, 115, 196, 166, 229, 57, 132) (4, 248, 151, 38, 232, 77, 165, 180, 74, 155, 247, 240, 101, 47, 75, 270, 100, 210, 271, 141, 89, 173, 52, 26) (5, 121, 133, 103, 260, 24, 202, 150, 192, 274, 86, 164) (7, 246, 14, 228, 206, 234, 127, 197, 66, 81, 68, 22, 245, 8, 62, 37, 172, 167, 170, 263, 139, 252, 59, 120) (11, 34, 181, 238, 33, 96, 122, 224, 188, 119, 153, 218, 222, 51, 198, 219, 249, 204, 79, 110, 135, 58, 88, 114) (12, 223, 43, 136, 168, 177, 241, 273, 69, 116, 205, 163, 64, 276, 227, 160, 118, 30, 231, 112, 55, 29, 76, 259) (13, 148, 239, 225, 154, 124, 182, 159, 67, 211, 149, 65, 195, 21, 106, 27, 104, 207, 32, 242, 212, 45, 36, 235) (16, 126, 56, 187, 42, 185, 108, 152, 216, 255, 109, 256, 189, 158, 41, 90, 236, 83, 39, 20, 193, 80, 54, 190) ([...]) , (1, 85, 6, 50, 131, 15, 243, 174, 78, 178, 60, 176, 87, 264, 215, 3, 19, 244, 98, 9, 237, 201, 10, 70) (2, 105, 63, 229, 254, 143, 115, 226, 46, 147, 57, 156, 25, 196, 17, 208, 18, 132, 175, 28, 166, 213, 61, 44) (4, 180, 75, 173, 232, 240, 271, 248, 74, 270, 52, 77, 101, 141, 151, 155, 100, 26, 165, 47, 89, 38, 247, 210) (5, 150, 133, 274, 260, 164, 202, 121, 192, 103, 86, 24) (7, 197, 62, 252, 206, 22, 170, 246, 66, 37, 59, 234, 245, 263, 14, 81, 172, 120, 127, 8, 139, 228, 68, 167) (11, 224, 198, 58, 33, 218, 79, 34, 188, 219, 88, 96, 222, 110, 181, 119, 249, 114, 122, 51, 135, 238, 153, 204) (12, 273, 227, 29, 168, 163, 231, 223, 69, 160, 76, 177, 64, 112, 43, 116, 118, 259, 241, 276, 55, 136, 205, 30) (13, 159, 106, 45, 154, 65, 32, 148, 67, 27, 36, 124, 195, 242, 239, 211, 104, 235, 182, 21, 212, 225, 149, 207) (16, 152, 41, 80, 42, 256, 39, 126, 216, 90, 54, 185, 189, 20, 56, 255, 236, 190, 108, 158, 193, 187, 109, 83) ([...]) , (1, 41, 51, 109, 60, 125, 243, 216, 224, 42, 19, 31, 87, 56, 34, 54, 10, 84, 98, 193, 110, 236, 131, 186) (2, 36, 207, 147, 148, 67, 115, 104, 65, 208, 242, 239, 25, 149, 124, 213, 21, 212, 175, 154, 235, 229, 159, 106) (3, 256, 88, 152, 85, 107, 201, 185, 249, 126, 174, 183, 50, 190, 153, 20, 264, 102, 178, 83, 33, 158, 9, 275) (4, 245, 197, 30, 233, 91, 271, 127, 246, 163, 161, 262, 101, 7, 263, 177, 123, 251, 165, 170, 8, 259, 217, 95) (5, 99, 86, 274, 162, 150, 202, 113, 260, 103, 145, 121) (6, 94, 58, 16, 96, 214, 78, 92, 219, 39, 114, 191, 215, 130, 119, 189, 204, 128, 237, 267, 238, 108, 218, 144) (11, 90, 188, 250, 15, 73, 79, 255, 181, 220, 176, 266, 222, 187, 135, 82, 244, 179, 122, 80, 198, 200, 70, 265) (12, 112, 22, 47, 89, 117, 231, 276, 234, 180, 75, 48, 64, 273, 120, 248, 74, 272, 241, 223, 167, 141, 151, 221) (13, 254, 132, 225, 196, 17, 32, 57, 44, 45, 28, 166, 195, 18, 143, 27, 105, 63, 182, 61, 156, 211, 226, 46) ([...]) , (1, 193, 34, 42, 60, 186, 98, 56, 224, 109, 131, 84, 87, 216, 51, 236, 10, 31, 243, 41, 110, 54, 19, 125) (2, 154, 124, 208, 148, 106, 175, 149, 65, 147, 159, 212, 25, 104, 207, 229, 21, 239, 115, 36, 235, 213, 242, 67) (3, 83, 153, 126, 85, 275, 178, 190, 249, 152, 9, 102, 50, 185, 88, 158, 264, 183, 201, 256, 33, 20, 174, 107) (4, 170, 263, 163, 233, 95, 165, 7, 246, 30, 217, 251, 101, 127, 197, 259, 123, 262, 271, 245, 8, 177, 161, 91) (5, 113, 86, 103, 162, 121, 202, 99, 260, 274, 145, 150) (6, 267, 119, 39, 96, 144, 237, 130, 219, 16, 218, 128, 215, 92, 58, 108, 204, 191, 78, 94, 238, 189, 114, 214) (11, 80, 135, 220, 15, 265, 122, 187, 181, 250, 70, 179, 222, 255, 188, 200, 244, 266, 79, 90, 198, 82, 176, 73) (12, 223, 120, 180, 89, 221, 241, 273, 234, 47, 151, 272, 64, 276, 22, 141, 74, 48, 231, 112, 167, 248, 75, 117) (13, 61, 143, 45, 196, 46, 182, 18, 44, 225, 226, 63, 195, 57, 132, 211, 105, 166, 32, 254, 156, 27, 28, 17) ([...]) .

The character table of $G^{s_{25}}$:

	10										20									
$\chi_{25}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{25}^{(2)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-1	-1	-1
$\chi_{25}^{(3)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-1	-1	-1
$\chi_{25}^{(4)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{25}^{(5)}$	1	1	-1	-1	1	-1	-1	1	1	1	-1	-1	1	1	-1	-1	-1	1	-1	1
$\chi_{25}^{(6)}$	1	1	-1	-1	1	-1	-1	1	1	1	-1	-1	1	1	-1	-1	-1	1	-1	1
$\chi_{25}^{(7)}$	1	1	-1	-1	1	-1	-1	1	1	1	-1	-1	1	1	-1	-1	-1	1	1	-1
$\chi_{25}^{(8)}$	1	1	-1	-1	1	-1	-1	1	1	1	-1	-1	1	1	-1	-1	-1	1	1	-1
$\chi_{25}^{(9)}$	2	2	2	2	2	2	2	2	2	2	2	2	2	-1	-1	-1	-1	-1	-1	.
$\chi_{25}^{(10)}$	2	2	2	2	2	2	2	2	2	2	2	2	2	-1	-1	-1	-1	-1	-1	.
$\chi_{25}^{(11)}$	2	2	-2	-2	2	-2	-2	2	2	2	-2	-2	2	-2	-1	-1	1	1	1	-1
$\chi_{25}^{(12)}$	2	2	-2	-2	2	-2	-2	2	2	2	-2	-2	2	-2	-1	-1	1	1	1	-1
$\chi_{25}^{(13)}$	3	3	3	3	3	3	3	-1	-1	-1	-1	-1	-1	.	.	.	.	-1	-1	-1
$\chi_{25}^{(14)}$	3	3	3	3	3	3	3	-1	-1	-1	-1	-1	-1	.	.	.	.	-1	-1	-1
$\chi_{25}^{(15)}$	3	3	3	3	3	3	3	-1	-1	-1	-1	-1	-1	.	.	.	.	1	1	1
$\chi_{25}^{(16)}$	3	3	3	3	3	3	3	-1	-1	-1	-1	-1	-1	.	.	.	.	1	1	1
$\chi_{25}^{(17)}$	3	3	-3	-3	3	-3	-3	3	-1	-1	1	1	-1	1	.	.	.	-1	1	-1
$\chi_{25}^{(18)}$	3	3	-3	-3	3	-3	-3	3	-1	-1	1	1	-1	1	.	.	.	-1	1	-1
$\chi_{25}^{(19)}$	3	3	-3	-3	3	-3	-3	3	-1	-1	1	1	-1	1	.	.	.	1	-1	1
$\chi_{25}^{(20)}$	3	3	-3	-3	3	-3	-3	3	-1	-1	1	1	-1	1	.	.	.	1	-1	1
$\chi_{25}^{(21)}$	4	4	4	4	.	.	-4	-4	.	.	.	.	.	1	1	1	1	-1	-1	-2
$\chi_{25}^{(22)}$	4	4	4	4	.	.	-4	-4	.	.	.	.	.	1	1	1	1	-1	-1	2
$\chi_{25}^{(23)}$	4	4	4	4	.	.	-4	-4	.	.	.	.	.	1	1	1	1	-1	-1	2
$\chi_{25}^{(24)}$	4	4	4	4	.	.	-4	-4	.	.	.	.	.	1	1	1	1	-1	-1	-2
$\chi_{25}^{(25)}$	4	4	-4	-4	.	.	4	-4	.	.	.	.	.	1	1	-1	-1	1	-1	2
$\chi_{25}^{(26)}$	4	4	-4	-4	.	.	4	-4	.	.	.	.	.	1	1	-1	-1	1	-1	2
$\chi_{25}^{(27)}$	4	4	-4	-4	.	.	4	-4	.	.	.	.	.	1	1	-1	-1	1	-1	-2
$\chi_{25}^{(28)}$	4	4	-4	-4	.	.	4	-4	.	.	.	.	.	1	1	-1	-1	1	-1	-2
$\chi_{25}^{(29)}$	4	-4	A	-A	.	.	.	2	-2	D	-D	.	.	-2	2	-D	D	.	.	.
$\chi_{25}^{(30)}$	4	-4	-A	A	.	.	.	2	-2	-D	D	.	.	-2	2	D	-D	.	.	.
$\chi_{25}^{(31)}$	4	-4	A	-A	.	.	.	2	-2	D	-D	.	.	-2	2	-D	D	.	.	.
$\chi_{25}^{(32)}$	4	-4	-A	A	.	.	.	2	-2	-D	D	.	.	-2	2	D	-D	.	.	.
$\chi_{25}^{(33)}$	6	6	6	6	-2	-2	6	6	2	2	2	2	-2	-2	.	.	.	.	.	.
$\chi_{25}^{(34)}$	6	6	6	6	-2	-2	6	6	2	2	2	2	-2	-2	.	.	.	.	.	.
$\chi_{25}^{(35)}$	6	6	-6	-6	-2	2	-6	6	-2	-2	2	2	2	-2	.	.	.	.	-2	2
$\chi_{25}^{(36)}$	6	6	-6	-6	-2	2	-6	6	-2	-2	2	2	2	-2	.	.	.	.	2	-2
$\chi_{25}^{(37)}$	6	6	6	6	-2	-2	6	6	-2	-2	-2	-2	2	2	.	.	.	.	-2	2
$\chi_{25}^{(38)}$	6	6	6	6	-2	-2	6	6	-2	-2	-2	-2	2	2	.	.	.	.	2	-2
$\chi_{25}^{(39)}$	6	6	-6	-6	-2	2	-6	6	2	2	-2	-2	-2	2	.	.	.	.	.	.
$\chi_{25}^{(40)}$	6	6	-6	-6	-2	2	-6	6	2	2	-2	-2	-2	2	.	.	.	.	.	.
$\chi_{25}^{(41)}$	8	8	8	8	.	.	-8	-8	.	.	.	.	.	-1	-1	-1	-1	1	1	.
$\chi_{25}^{(42)}$	8	8	8	8	.	.	-8	-8	.	.	.	.	.	-1	-1	-1	-1	1	1	.
$\chi_{25}^{(43)}$	8	8	-8	-8	.	.	8	-8	.	.	.	.	.	-1	-1	1	1	-1	1	.
$\chi_{25}^{(44)}$	8	8	-8	-8	.	.	8	-8	.	.	.	.	.	-1	-1	1	1	-1	1	.
$\chi_{25}^{(45)}$	8	-8	B	-B	.	.	.	4	-4	A	-A	.	.	2	-2	D	-D	.	.	.

	10										20													
$\chi_{25}^{(46)}$	8	-8	-B	B	.	.	.	.	4	-4	-A	A	.	.	2	-2	-D	D	.	.	.	.	.	.
$\chi_{25}^{(47)}$	12	-12	C	-C	.	.	.	.	-2	2	-D	D	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{25}^{(48)}$	12	-12	-C	C	.	.	.	.	-2	2	D	-D	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{25}^{(49)}$	12	-12	C	-C	.	.	.	.	-2	2	-D	D	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{25}^{(50)}$	12	-12	-C	C	.	.	.	.	-2	2	D	-D	.	.	.	.	.	.	.	.	.	.	.	.
	30										40													
$\chi_{25}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{25}^{(2)}$	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	1	1	1	1	1	1
$\chi_{25}^{(3)}$	-1	-1	-1	-1	1	1	1	1	1	1	1	1	1	1	1	1	1	-1	-1	-1	-1	-1	-1	-1
$\chi_{25}^{(4)}$	1	1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
$\chi_{25}^{(5)}$	1	-1	-1	1	E	E	-E	-E	E	-E	E	-E	E	E	-E	-E	-E	E	-E	E	-E	E	-E	E
$\chi_{25}^{(6)}$	1	-1	-1	1	-E	-E	E	E	-E	E	-E	E	-E	-E	-E	-E	E	E	E	-E	E	-E	E	-E
$\chi_{25}^{(7)}$	-1	1	1	-1	E	E	-E	-E	E	-E	E	-E	E	E	-E	-E	-E	E	-E	E	-E	E	-E	E
$\chi_{25}^{(8)}$	-1	1	1	-1	-E	-E	E	E	-E	E	-E	E	-E	-E	-E	-E	E	E	-E	E	-E	E	-E	E
$\chi_{25}^{(9)}$	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-2	-2	-2	-2	-2	-2	-2
$\chi_{25}^{(10)}$	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2	2	2	2	2
$\chi_{25}^{(11)}$	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	D	-D	D	-D	D	-D	-D
$\chi_{25}^{(12)}$	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-D	D	-D	D	-D	D	D
$\chi_{25}^{(13)}$	-1	-1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	1	1	1	1	-1	-1	3	3	3	3	3	3
$\chi_{25}^{(14)}$	-1	-1	1	1	1	1	1	1	1	1	1	1	-1	-1	-1	-1	-1	1	1	-3	-3	-3	-3	-3
$\chi_{25}^{(15)}$	1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	1	1	1	1	1	1	-3	-3	-3	-3	-3
$\chi_{25}^{(16)}$	1	1	-1	-1	1	1	1	1	1	1	1	1	-1	-1	-1	-1	-1	-1	3	3	3	3	3	3
$\chi_{25}^{(17)}$	1	-1	1	-1	E	E	-E	-E	E	-E	E	-E	-E	-E	-E	E	E	E	-E	H	-H	H	-H	-H
$\chi_{25}^{(18)}$	1	-1	1	-1	-E	-E	E	E	-E	E	-E	E	E	E	E	-E	-E	-E	E	-H	H	-H	H	H
$\chi_{25}^{(19)}$	-1	1	-1	1	E	E	-E	-E	E	-E	E	-E	-E	-E	-E	E	E	-E	E	-H	H	-H	H	H
$\chi_{25}^{(20)}$	-1	1	-1	1	-E	-E	E	E	-E	E	-E	E	E	E	E	-E	-E	E	-E	H	-H	H	-H	-H
$\chi_{25}^{(21)}$	2	2	.	.	2	2	2	2	.	.	-2	-2	.	.	.	.	.	.	2	2	-2	-2	-2	-2
$\chi_{25}^{(22)}$	-2	-2	.	.	-2	-2	-2	-2	.	.	2	2	.	.	.	.	.	.	2	2	-2	-2	-2	-2
$\chi_{25}^{(23)}$	-2	-2	.	.	2	2	2	2	.	.	-2	-2	.	.	.	.	.	.	-2	-2	2	2	2	2
$\chi_{25}^{(24)}$	2	2	.	.	-2	-2	-2	-2	.	.	2	2	.	.	.	.	.	.	-2	-2	2	2	2	2
$\chi_{25}^{(25)}$	2	-2	.	.	D	D	-D	-D	.	.	-D	D	.	.	.	.	.	.	-D	D	D	-D	-D	-D
$\chi_{25}^{(26)}$	2	-2	.	.	-D	-D	D	D	.	.	D	-D	.	.	.	.	.	.	D	-D	-D	D	D	D
$\chi_{25}^{(27)}$	-2	2	.	.	-D	-D	D	D	.	.	D	-D	.	.	.	.	.	.	-D	D	D	-D	-D	-D
$\chi_{25}^{(28)}$	-2	2	.	.	D	D	-D	-D	.	.	-D	D	.	.	.	.	.	.	D	-D	-D	D	D	D
$\chi_{25}^{(29)}$	.	.	.	.	F	-F	-/F	/F	.	.	.	.	G	-G	-/G	/G	.	.	.	.	.	.	.	.
$\chi_{25}^{(30)}$	.	.	.	.	/F	-/F	-F	F	.	.	.	.	/G	-/G	-G	G	.	.	.	.	.	.	.	.
$\chi_{25}^{(31)}$	.	.	.	.	-F	F	/F	-/F	.	.	.	.	-G	G	/G	-/G	.	.	.	.	.	.	.	.
$\chi_{25}^{(32)}$	.	.	.	.	-/F	/F	F	-F	.	.	.	.	-/G	/G	G	-G	.	.	.	.	.	.	.	.
$\chi_{25}^{(33)}$	.	.	.	.	-2	-2	-2	-2	2	2	-2	-2	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{25}^{(34)}$	.	.	.	.	2	2	2	2	-2	-2	2	2	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{25}^{(35)}$	2	-2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{25}^{(36)}$	-2	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{25}^{(37)}$	-2	-2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{25}^{(38)}$	2	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{25}^{(39)}$	.	.	.	.	D	D	-D	-D	-D	D	D	-D	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{25}^{(40)}$	.	.	.	.	D	D	D	D	D	D	D	D	.	.	.	.	.	.	.	.	.	.	.	.

	50			
$\chi_{25}^{(36)}$	.	.	.	.
$\chi_{25}^{(37)}$	.	.	.	.
$\chi_{25}^{(38)}$	.	.	.	.
$\chi_{25}^{(39)}$	.	.	.	.
$\chi_{25}^{(40)}$	.	.	.	.
$\chi_{25}^{(41)}$	1	1	-1	-1
$\chi_{25}^{(42)}$	-1	-1	1	1
$\chi_{25}^{(43)}$	-E	E	E	-E
$\chi_{25}^{(44)}$	E	-E	-E	E
$\chi_{25}^{(45)}$	.	.	.	.
$\chi_{25}^{(46)}$	.	.	.	.
$\chi_{25}^{(47)}$	.	.	.	.
$\chi_{25}^{(48)}$	.	.	.	.
$\chi_{25}^{(49)}$	.	.	.	.
$\chi_{25}^{(50)}$	.	.	.	.

where $A = -4^*E(4) = -4^*ER(-1) = -4i$; $B = -8^*E(4) = -8^*ER(-1) = -8i$; $C = -12^*E(4) = -12^*ER(-1) = -12i$; $D = -2^*E(4) = -2^*ER(-1) = -2i$; $E = -E(4) = -ER(-1) = -i$; $F = 2^*E(4) = 2^*ER(-1) = 2-2i$; $G = 1-E(4) = 1-ER(-1) = 1-i$; $H = 3^*E(4) = 3^*ER(-1) = 3i$.

The generators of $G^{s_{26}}$ are:

(1, 135, 249, 78, 210, 68, 8, 168) (2, 109, 11, 222, 16, 226, 43, 141) (3, 30, 34, 207, 89, 216, 59, 88) (4, 172, 41, 118, 124, 117, 6, 7) (5, 150, 101, 273, 143, 26, 153, 113) (9, 258, 194, 264, 137, 119, 238, 40) (10, 179, 28, 242, 228, 146, 126, 187) (12, 173, 164, 229, 236, 39, 254, 274) (13, 183, 171, 38, 64, 256, 62, 225) (14, 55, 248, 252) (15, 202, 22, 96, 247, 235, 87, 123) (17, 251, 65, 95) (18, 175, 213, 104) (20, 24, 61, 71, 53, 147, 103, 90) (21, 42, 253, 93, 108, 195, 92, 125) (23, 27, 130, 186, 149, 138, 191, 144) (25, 107, 60, 152, 255, 261, 139, 182) (29, 120, 243, 217, 212, 77, 193, 197) (31, 45, 162, 154, 94, 134, 131, 97) (32, 269, 268, 203, 72, 159, 69, 47) (33, 161, 142, 140, 114, 271, 35, 230) (36, 81, 190, 155, 231, 199, 266, 148) (37, 270, 260, 241, 66, 129, 128, 169) (44, 46, 200, 70, 233, 221, 178, 82) (48, 237, 239, 163, 224, 245, 133, 50) (49, 106, 257, 132) (51, 262, 91, 272, 188, 157, 111, 136) (52, 74, 263, 206, 276, 259, 165, 160) (54, 79, 189, 275, 158, 86, 80, 265) (56, 223, 67, 218, 232, 244, 198, 246) (57, 196, 208, 211) (58, 219) (63, 75, 116, 121, 192, 99, 181, 76) (73, 267, 84, 102) (98, 201, 127, 100, 177, 167, 176, 215) (105, 145, 115, 227, 209, 185, 184, 180) (110, 204, 234, 250, 166, 156, 220, 170) (112, 240, 205, 151) , (2, 11, 16, 43) (3, 146, 261, 244) (4, 61, 77, 9) (5, 149, 76, 52) (6, 20, 217, 238) (7, 24, 212, 40) (10, 25, 56, 207) (12, 36, 215, 62) (13, 164, 190, 201) (14, 252, 248, 55) (15, 46, 48, 47) (17, 257, 196, 18) (19, 214) (22, 70, 239, 269) (23, 121, 276, 143) (26, 27, 192, 259) (28, 60, 67, 216) (29, 264, 118, 147) (30, 126, 139, 198) (31, 272, 265, 271) (32, 202, 200, 237) (33, 154, 111, 189) (34, 187, 182, 246) (35, 45, 188, 54) (37, 66) (38, 39, 199, 177) (41, 53, 197, 194) (44, 50, 69, 123) (49, 211, 213, 65) (51, 158, 142, 134) (57, 104, 95, 106) (58, 219) (59, 242, 152, 218) (63, 74, 150, 138) (64, 254, 266, 167) (71, 193, 258, 172) (72, 235, 178, 245) (73, 205) (75, 263, 101, 191) (79, 230, 162, 157) (80, 114, 97, 91) (81, 98, 225, 173) (82, 133, 159, 87) (83, 174, 122, 85) (84, 112) (86, 140, 131, 262) (88, 228, 255, 232) (89, 179, 107, 223) (90, 243, 119, 117) (94, 136, 275, 161) (96, 233, 163, 268) (99, 165, 153, 130) (100, 171, 236, 231) (102, 240) (103, 120, 137, 124) (105, 184, 209, 115) (109, 222, 226, 141) (110, 234, 166, 220) (113, 186, 181, 160) (116, 206, 273, 144) (127, 183, 229, 155) (128, 260) (129, 270) (132, 208, 175, 251) (145, 180, 185, 227) (148, 176, 256, 274) (151, 267) (156, 170, 204, 250) (169, 241) (203, 247, 221, 224) , (1, 2) (3, 182) (4, 201) (5, 186) (6, 215) (7, 98) (8, 43) (9, 62) (10, 228) (11, 249) (12, 197) (13, 194) (14, 248) (15, 44) (16, 210) (17, 196) (18, 213) (20, 190) (21, 204) (22, 200) (23, 26) (24, 155) (25, 30) (27, 153) (28, 126) (29, 173) (31, 35) (32, 133) (33, 162) (

34, 107) (36, 103) (37, 115) (38, 119) (39, 212) (40, 256) (41, 100) (42, 234) (45, 230) (46, 202) (47, 245) (48, 268) (49, 257) (50, 269) (51, 265) (52, 192) (53, 266) (54, 262) (55, 252) (57, 95) (59, 261) (60, 207) (61, 231) (63, 276) (64, 238) (65, 211) (66, 184) (68, 226) (69, 224) (70, 96) (71, 199) (72, 239) (73, 240) (74, 99) (75, 259) (76, 206) (77, 254) (78, 222) (79, 91) (80, 136) (81, 90) (82, 123) (83, 85) (84, 151) (86, 111) (87, 178) (88, 139) (89, 152) (92, 170) (93, 166) (94, 142) (97, 271) (101, 138) (102, 112) (104, 175) (105, 128) (106, 132) (108, 156) (109, 135) (110, 125) (113, 130) (114, 131) (116, 165) (117, 176) (118, 177) (120, 164) (121, 160) (122, 174) (124, 167) (127, 172) (129, 180) (134, 140) (137, 171) (141, 168) (143, 144) (145, 169) (146, 179) (147, 148) (149, 150) (154, 161) (157, 158) (159, 163) (181, 263) (183, 264) (185, 241) (187, 242) (188, 275) (189, 272) (191, 273) (193, 274) (195, 220) (203, 237) (205, 267) (208, 251) (209, 260) (216, 255) (217, 236) (221, 235) (225, 258) (227, 270) (229, 243) (233, 247) (250, 253) , (1, 5, 8, 153, 210, 143, 249, 101) (2, 63, 43, 181, 16, 192, 11, 116) (3, 53, 59, 61, 89, 20, 34, 103) (4, 118, 6, 172, 124, 7, 41, 117) (9, 228, 238, 28, 137, 10, 194, 126) (12, 255, 254, 60, 236, 25, 164, 139) (13, 225, 62, 256, 64, 38, 171, 183) (14, 205, 248, 112) (15, 253, 87, 21, 247, 92, 22, 108) (17, 251, 65, 95) (18, 175, 213, 104) (19, 85) (23, 276, 191, 263, 149, 52, 130, 165) (24, 207, 90, 30, 147, 88, 71, 216) (26, 78, 273, 135, 150, 168, 113, 68) (27, 259, 144, 206, 138, 74, 186, 160) (29, 81, 193, 148, 212, 199, 243, 155) (31, 275, 131, 79, 94, 265, 162, 86) (32, 44, 69, 178, 72, 233, 268, 200) (33, 128, 35, 66, 114, 260, 142, 37) (36, 77, 266, 217, 231, 120, 190, 197) (39, 107, 229, 182, 173, 261, 274, 152) (40, 242, 119, 179, 264, 187, 258, 146) (42, 235, 125, 96, 195, 202, 93, 123) (45, 158, 97, 189, 134, 54, 154, 80) (46, 47, 82, 159, 221, 203, 70, 269) (48, 234, 133, 110, 224, 220, 239, 166) (49, 211, 257, 196) (50, 204, 245, 170, 163, 156, 237, 250) (51, 185, 111, 227, 188, 145, 91, 180) (55, 151, 252, 240) (56, 127, 198, 98, 232, 176, 67, 177) (57, 132, 208, 106) (58, 219) (73, 267, 84, 102) (75, 141, 76, 226, 99, 222, 121, 109) (100, 246, 201, 244, 215, 218, 167, 223) (105, 262, 184, 136, 209, 157, 115, 272) (129, 271, 241, 140, 270, 161, 169, 230) (174, 214).

The representatives of conjugacy classes of $G^{s_{26}}$ are:

(), (2, 11, 16, 43) (3, 146, 261, 244) (4, 61, 77, 9) (5, 149, 76, 52) (6, 20, 217, 238) (7, 24, 212, 40) (10, 25, 56, 207) (12, 36, 215, 62) (13, 164, 190, 201) (14, 252, 248, 55) (15, 46, 48, 47) (17, 257, 196, 18) (19, 214) (22, 70, 239, 269) (23, 121, 276, 143) (26, 27, 192, 259) (28, 60, 67, 216) (29, 264, 118, 147) (30, 126, 139, 198) (31, 272, 265, 271) (32, 202, 200, 237) (33, 154, 111, 189) (34, 187, 182, 246) (35, 45, 188, 54) (37, 66) (38, 39, 199, 177) (41, 53, 197, 194) (44, 50, 69, 123) (49, 211, 213, 65) (51, 158, 142, 134) (57, 104, 95, 106) (58, 219) (59, 242, 152, 218) (63, 74, 150, 138) (64, 254, 266, 167) (71, 193, 258, 172) (72, 235, 178, 245) (73, 205) (75, 263, 101, 191) (79, 230, 162, 157) (80, 114, 97, 91) (81, 98, 225, 173) (82, 133, 159, 87) (83, 174, 122, 85) (84, 112) (86, 140, 131, 262) (88, 228, 255, 232) (89, 179, 107, 223) (90, 243, 119, 117) (94, 136, 275, 161) (96, 233, 163, 268) (99, 165, 153, 130) (100, 171, 236, 231) ([...]) , (2, 16) (3, 261) (4, 77) (5, 76) (6, 217) (7, 212) (9, 61) (10, 56) (11, 43) (12, 215) (13, 190) (14, 248) (15, 48) (17, 196) (18, 257) (20, 238) (22, 239) (23, 276) (24, 40) (25, 207) (26, 192) (27, 259) (28, 67) (29, 118) (30, 139) (31, 265) (32, 200) (33, 111) (34, 182) (35, 188) (36, 62) (38, 199) (39, 177) (41, 197) (44, 69) (45, 54) (46, 47) (49, 213) (50, 123) (51, 142) (52, 149) (53, 194) (55, 252) (57, 95) (59, 152) (60, 216) (63, 150) (64, 266) (65, 211) (70, 269) (71, 258) (72, 178) (74, 138) (75, 101) (79, 162) (80, 97) (81, 225) (82, 159) (83, 122) (85, 174) (86, 131) (87, 133) (88, 255) (89, 107) (90, 119) (91, 114) (94, 275) (96, 163) (98, 173) (99, 153) (100, 236) (103, 137) (104, 106) (105, 209) (109, 226) (110, 166) (113, 181) (115, 184) (116, 273) (117, 243) (120, 124) (121, 143) (126, 198) (127, 229) (130, 165) (132, 175) (134, 158) (136, 161) (140, 262) (141, 222) (144, 206) (145, 185) (146, 244) (147, 264) (148, 256) (154, 189) (155, 183) (156, 204) (157, 230) (160, 186) ([...]) , (2, 43, 16, 11) (3, 244, 261, 146) (4, 9, 77, 61) (5, 52, 76, 149) (6, 238, 217, 20) (7, 40, 212, 24) (10, 207, 56, 25) (12, 62, 215, 36) (13, 201, 190, 164) (14, 55, 248, 252) (15, 47, 48, 46) (17, 18, 196, 257) (19, 214) (22, 269, 239, 70) (23, 143, 276, 121) (26, 259, 192, 27) (28, 216, 67, 60) (29, 147, 118, 264) (30, 198, 139, 126) (31, 271, 265, 272) (32, 237, 200, 202) (33, 189, 111, 154) (34, 246, 182, 187) (35, 54, 188, 45) (37, 66) (38, 177, 199, 39) (41, 194, 197, 53) (44, 123, 69, 50) (49, 65, 213, 211) (51, 134, 142, 158) (57, 106, 95, 104) (58, 219) (59, 218, 152, 242) (63, 138, 150, 74) (64, 167, 266, 254) (71, 172, 258, 193) (72, 245, 178, 235) (73, 205) (75, 191, 101,

263) (79, 157, 162, 230) (80, 91, 97, 114) (81, 173, 225, 98) (82, 87, 159, 133) (83, 85, 122, 174) (84, 112) (86,
 262, 131, 140) (88, 232, 255, 228) (89, 223, 107, 179) (90, 117, 119, 243) (94, 161, 275, 136) (96, 268, 163,
 233) (99, 130, 153, 165) (100, 231, 236, 171) ([...]), (1, 2) (3, 182) (4, 201) (5, 186) (6, 215) (7, 98) (8, 43)
 (9, 62) (10, 228) (11, 249) (12, 197) (13, 194) (14, 248) (15, 44) (16, 210) (17, 196) (18, 213) (20, 190) (21,
 204) (22, 200) (23, 26) (24, 155) (25, 30) (27, 153) (28, 126) (29, 173) (31, 35) (32, 133) (33, 162) (34, 107)
 (36, 103) (37, 115) (38, 119) (39, 212) (40, 256) (41, 100) (42, 234) (45, 230) (46, 202) (47, 245) (48, 268)
 (49, 257) (50, 269) (51, 265) (52, 192) (53, 266) (54, 262) (55, 252) (57, 95) (59, 261) (60, 207) (61, 231) (63,
 276) (64, 238) (65, 211) (66, 184) (68, 226) (69, 224) (70, 96) (71, 199) (72, 239) (73, 240) (74, 99) (75, 259)
 (76, 206) (77, 254) (78, 222) (79, 91) (80, 136) (81, 90) (82, 123) (83, 85) (84, 151) (86, 111) (87, 178) (88,
 139) (89, 152) (92, 170) (93, 166) (94, 142) (97, 271) (101, 138) (102, 112) (104, 175) (105, 128) (106, 132)
 (108, 156) (109, 135) (110, 125) (113, 130) (114, 131) (116, 165) (117, 176) (118, 177) (120, 164) (121, 160)
 (122, 174) (124, 167) (127, 172) (129, 180) ([...]), (1, 2, 8, 43, 210, 16, 249, 11) (3, 244, 59, 218, 89, 223,
 34, 246) (4, 62, 6, 64, 124, 171, 41, 13) (5, 192, 153, 116, 143, 63, 101, 181) (7, 256, 117, 38, 118, 183, 172,
 225) (9, 254, 238, 236, 137, 164, 194, 12) (10, 60, 126, 25, 228, 139, 28, 255) (14, 252, 248, 55) (15, 245, 87,
 163, 247, 237, 22, 50) (17, 213, 65, 18) (19, 214) (20, 215, 103, 167, 53, 100, 61, 201) (21, 204, 92, 170, 108,
 156, 253, 250) (23, 144, 191, 138, 149, 186, 130, 27) (24, 98, 90, 176, 147, 177, 71, 127) (26, 75, 273, 76, 150,
 99, 113, 121) (29, 148, 193, 199, 212, 155, 243, 81) (30, 198, 88, 232, 216, 67, 207, 56) (31, 97, 131, 134, 94,
 154, 162, 45) (32, 203, 69, 269, 72, 47, 268, 159) (33, 272, 35, 262, 114, 136, 142, 157) (36, 197, 266, 77, 231,
 217, 190, 120) (37, 184, 128, 209, 66, 115, 260, 105) (39, 119, 229, 264, 173, 258, 274, 40) (42, 234, 125, 110,
 195, 220, 93, 166) (44, 82, 178, 221, 233, 70, 200, 46) (48, 202, 133, 123, 224, 235, 239, 96) ([...]), (1, 2,
 210, 16) (3, 59, 89, 34) (4, 254, 124, 164) (5, 206, 143, 160) (6, 236, 41, 12) (7, 39, 118, 173) (8, 43, 249, 11)
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 114, 94, 188, 86, 33) (35, 131, 111, 265, 142, 162, 91, 275) (37, 270, 260, 241, 66, 129, 128, 169) (38, 164,
 148, 100, 225, 254, 155, 215) (39, 190, 176, 171, 173, 266, 127, 62) (45, 262, 189, 271, 134, 157, 80, 161) (46,
 245, 269, 123, 221, 237, 159, 96) ([...]) , (1, 68, 249, 168, 210, 135, 8, 78) (2, 226, 11, 141, 16, 109, 43, 222)
 (3, 216, 34, 88, 89, 30, 59, 207) (4, 117, 41, 7, 124, 172, 6, 118) (5, 26, 101, 113, 143, 150, 153, 273) (9, 119,
 194, 40, 137, 258, 238, 264) (10, 146, 28, 187, 228, 179, 126, 242) (12, 39, 164, 274, 236, 173, 254, 229) (13,
 256, 171, 225, 64, 183, 62, 38) (14, 55, 248, 252) (15, 235, 22, 123, 247, 202, 87, 96) (17, 251, 65, 95) (18,
 175, 213, 104) (20, 147, 61, 90, 53, 24, 103, 71) (21, 195, 253, 125, 108, 42, 92, 93) (23, 138, 130, 144, 149,
 27, 191, 186) (25, 261, 60, 182, 255, 107, 139, 152) (29, 77, 243, 197, 212, 120, 193, 217) (31, 134, 162, 97,
 94, 45, 131, 154) (32, 159, 268, 47, 72, 269, 69, 203) (33, 271, 142, 230, 114, 161, 35, 140) (36, 199, 190, 148,
 231, 81, 266, 155) (37, 129, 260, 169, 66, 270, 128, 241) (44, 221, 200, 82, 233, 46, 178, 70) (48, 245, 239, 50,
 224, 237, 133, 163) (49, 106, 257, 132) (51, 157, 91, 136, 188, 262, 111, 272) ([...]) , (1, 75, 249, 121, 210,
 99, 8, 76) (2, 113, 11, 150, 16, 273, 43, 26) (3, 98, 34, 127, 89, 177, 59, 176) (4, 62, 41, 13, 124, 171, 6, 64)
 (5, 222, 101, 226, 143, 141, 153, 109) (7, 256, 172, 225, 118, 183, 117, 38) (9, 152, 194, 261, 137, 182, 238,
 107) (10, 39, 28, 274, 228, 173, 126, 229) (12, 146, 164, 187, 236, 179, 254, 242) (14, 205, 248, 112) (15, 110,

22, 234, 247, 166, 87, 220) (17, 18, 65, 213) (19, 174) (20, 232, 61, 198, 53, 56, 103, 67) (21, 133, 253, 48,
 108, 239, 92, 224) (23, 276, 130, 165, 149, 52, 191, 263) (24, 244, 71, 246, 147, 223, 90, 218) (25, 40, 60, 258,
 255, 264, 139, 119) (27, 259, 186, 160, 138, 74, 144, 206) (29, 77, 243, 197, 212, 120, 193, 217) (30, 201, 207,
 100, 216, 167, 88, 215) (31, 275, 162, 86, 94, 265, 131, 79) (32, 233, 268, 178, 72, 44, 69, 200) (33, 145, 142,
 227, 114, 185, 35, 180) (36, 81, 190, 155, 231, 199, 266, 148) (37, 51, 260, 91, 66, 188, 128, 111) (42, 50, 93,
 237, 195, 163, 125, 245) ([...]) , (1, 78, 8, 135, 210, 168, 249, 68) (2, 109, 11, 222, 16, 226, 43, 141) (3, 56,
 152, 126, 89, 232, 182, 28) (4, 264, 217, 71, 124, 40, 197, 90) (5, 206, 99, 138, 143, 160, 75, 27) (6, 258, 120,
 24, 41, 119, 77, 147) (7, 194, 243, 61, 118, 238, 193, 103) (9, 29, 20, 172, 137, 212, 53, 117) (10, 59, 198, 107,
 228, 34, 67, 261) (12, 183, 167, 81, 236, 256, 201, 199) (13, 177, 36, 229, 64, 98, 231, 274) (15, 268, 133, 200,
 247, 69, 239, 178) (17, 104, 211, 132) (18, 57, 49, 251) (19, 214) (21, 93, 92, 42, 108, 125, 253, 195) (22, 72,
 48, 233, 87, 32, 224, 44) (23, 113, 263, 192, 149, 273, 165, 63) (25, 242, 30, 223, 255, 187, 216, 244) (26, 52,
 116, 130, 150, 276, 181, 191) (31, 33, 86, 188, 94, 114, 79, 51) (35, 275, 91, 162, 142, 265, 111, 131) (37, 169,
 128, 129, 66, 241, 260, 270) (38, 215, 155, 254, 225, 100, 148, 164) (39, 62, 127, 266, 173, 171, 176, 190) (45,
 161, 80, 157, 134, 271, 189, 262) (46, 96, 159, 237, 221, 123, 269, 245) ([...]) , (1, 78, 8, 135, 210, 168, 249,
 68) (2, 222, 43, 109, 16, 141, 11, 226) (3, 207, 59, 30, 89, 88, 34, 216) (4, 118, 6, 172, 124, 7, 41, 117) (5,
 273, 153, 150, 143, 113, 101, 26) (9, 264, 238, 258, 137, 40, 194, 119) (10, 242, 126, 179, 228, 187, 28, 146)
 (12, 229, 254, 173, 236, 274, 164, 39) (13, 38, 62, 183, 64, 225, 171, 256) (14, 252, 248, 55) (15, 96, 87, 202,
 247, 123, 22, 235) (17, 95, 65, 251) (18, 104, 213, 175) (20, 71, 103, 24, 53, 90, 61, 147) (21, 93, 92, 42, 108,
 125, 253, 195) (23, 186, 191, 27, 149, 144, 130, 138) (25, 152, 139, 107, 255, 182, 60, 261) (29, 217, 193, 120,
 212, 197, 243, 77) (31, 154, 131, 45, 94, 97, 162, 134) (32, 203, 69, 269, 72, 47, 268, 159) (33, 140, 35, 161,
 114, 230, 142, 271) (36, 155, 266, 81, 231, 148, 190, 199) (37, 241, 128, 270, 66, 169, 260, 129) (44, 70, 178,
 46, 233, 82, 200, 221) (48, 163, 133, 237, 224, 50, 239, 245) (49, 132, 257, 106) (51, 272, 111, 262, 188, 136,
 91, 157) ([...]) , (1, 135, 249, 78, 210, 68, 8, 168) (2, 109, 11, 222, 16, 226, 43, 141) (3, 30, 34, 207, 89, 216,
 59, 88) (4, 172, 41, 118, 124, 117, 6, 7) (5, 150, 101, 273, 143, 26, 153, 113) (9, 258, 194, 264, 137, 119, 238,
 40) (10, 179, 28, 242, 228, 146, 126, 187) (12, 173, 164, 229, 236, 39, 254, 274) (13, 183, 171, 38, 64, 256, 62,
 225) (14, 55, 248, 252) (15, 202, 22, 96, 247, 235, 87, 123) (17, 251, 65, 95) (18, 175, 213, 104) (20, 24, 61,
 71, 53, 147, 103, 90) (21, 42, 253, 93, 108, 195, 92, 125) (23, 27, 130, 186, 149, 138, 191, 144) (25, 107, 60,
 152, 255, 261, 139, 182) (29, 120, 243, 217, 212, 77, 193, 197) (31, 45, 162, 154, 94, 134, 131, 97) (32, 269,
 268, 203, 72, 159, 69, 47) (33, 161, 142, 140, 114, 271, 35, 230) (36, 81, 190, 155, 231, 199, 266, 148) (37,
 270, 260, 241, 66, 129, 128, 169) (44, 46, 200, 70, 233, 221, 178, 82) (48, 237, 239, 163, 224, 245, 133, 50)
 (49, 106, 257, 132) (51, 262, 91, 272, 188, 157, 111, 136) ([...]) , (1, 168, 8, 68, 210, 78, 249, 135) (2, 141,
 43, 226, 16, 222, 11, 109) (3, 88, 59, 216, 89, 207, 34, 30) (4, 7, 6, 117, 124, 118, 41, 172) (5, 113, 153, 26,
 143, 273, 101, 150) (9, 40, 238, 119, 137, 264, 194, 258) (10, 187, 126, 146, 228, 242, 28, 179) (12, 274, 254,
 39, 236, 229, 164, 173) (13, 225, 62, 256, 64, 38, 171, 183) (14, 252, 248, 55) (15, 123, 87, 235, 247, 96, 22,
 202) (17, 95, 65, 251) (18, 104, 213, 175) (20, 90, 103, 147, 53, 71, 61, 24) (21, 125, 92, 195, 108, 93, 253,
 42) (23, 144, 191, 138, 149, 186, 130, 27) (25, 182, 139, 261, 255, 152, 60, 107) (29, 197, 193, 77, 212, 217,
 243, 120) (31, 97, 131, 134, 94, 154, 162, 45) (32, 47, 69, 159, 72, 203, 268, 269) (33, 230, 35, 271, 114, 140,
 142, 161) (36, 148, 266, 199, 231, 155, 190, 81) (37, 169, 128, 129, 66, 241, 260, 270) (44, 82, 178, 221, 233,
 70, 200, 46) (48, 50, 133, 245, 224, 163, 239, 237) (49, 132, 257, 106) (51, 136, 111, 157, 188, 272, 91, 262) ([...]) ,
 (1, 210) (2, 16) (3, 89) (4, 124) (5, 143) (6, 41) (7, 118) (8, 249) (9, 137) (10, 228) (11, 43) (12, 236)
 (13, 64) (15, 247) (20, 53) (21, 108) (22, 87) (23, 149) (24, 147) (25, 255) (26, 150) (27, 138) (28, 126) (29,
 212) (30, 216) (31, 94) (32, 72) (33, 114) (34, 59) (35, 142) (36, 231) (37, 66) (38, 225) (39, 173) (40, 264)
 (42, 195) (44, 233) (45, 134) (46, 221) (47, 203) (48, 224) (50, 163) (51, 188) (52, 276) (54, 158) (56, 232)
 (60, 139) (61, 103) (62, 171) (63, 192) (67, 198) (68, 135) (69, 268) (70, 82) (71, 90) (74, 259) (75, 99) (76,
 121) (77, 120) (78, 168) (79, 86) (80, 189) (81, 199) (88, 207) (91, 111) (92, 253) (93, 125) (96, 123) (97,
 154) (98, 177) (100, 215) (101, 153) (105, 209) (107, 261) (109, 226) (110, 166) (113, 273) (115, 184) (116,
 181) (117, 172) (119, 258) (127, 176) (128, 260) (129, 270) (130, 191) (131, 162) (133, 239) (136, 272) (140,

230) (141, 222) (144, 186) (145, 185) (146, 179) (148, 155) (152, 182) (156, 204) (157, 262) (159, 269) (160, 206) (161, 271) ([...]), (1, 249, 210, 8) (2, 11, 16, 43) (3, 34, 89, 59) (4, 41, 124, 6) (5, 101, 143, 153) (7, 172, 118, 117) (9, 194, 137, 238) (10, 28, 228, 126) (12, 164, 236, 254) (13, 171, 64, 62) (14, 248) (15, 22, 247, 87) (17, 65) (18, 213) (20, 61, 53, 103) (21, 253, 108, 92) (23, 130, 149, 191) (24, 71, 147, 90) (25, 60, 255, 139) (26, 113, 150, 273) (27, 186, 138, 144) (29, 243, 212, 193) (30, 207, 216, 88) (31, 162, 94, 131) (32, 268, 72, 69) (33, 142, 114, 35) (36, 190, 231, 266) (37, 260, 66, 128) (38, 256, 225, 183) (39, 274, 173, 229) (40, 258, 264, 119) (42, 93, 195, 125) (44, 200, 233, 178) (45, 154, 134, 97) (46, 70, 221, 82) (47, 269, 203, 159) (48, 239, 224, 133) (49, 257) (50, 237, 163, 245) (51, 91, 188, 111) (52, 263, 276, 165) (54, 189, 158, 80) (55, 252) (56, 67, 232, 198) (57, 208) (63, 116, 192, 181) (68, 168, 135, 78) (73, 84) (74, 206, 259, 160) (75, 121, 99, 76) (77, 197, 120, 217) (79, 275, 86, 265) (81, 155, 199, 148) (95, 251) ([...]).

The character table of $G^{s_{26}}$:

	10										20									
$\chi_{26}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{26}^{(2)}$	1	-1	1	-1	-1	1	-1	1	-1	1	1	-1	1	1	-1	1	-1	1	1	-1
$\chi_{26}^{(3)}$	1	-1	1	-1	1	-1	1	-1	-1	1	1	1	-1	1	1	-1	1	-1	-1	1
$\chi_{26}^{(4)}$	1	1	1	1	-1	-1	-1	-1	1	1	1	1	1	1	1	-1	-1	-1	-1	-1
$\chi_{26}^{(5)}$	1	A	-1	-A	-1	A	1	-A	A	-1	1	1	A	-1	1	-A	-1	A	-A	1
$\chi_{26}^{(6)}$	1	-A	-1	A	-1	-A	1	A	-A	-1	1	1	-A	-1	1	A	-1	A	-A	1
$\chi_{26}^{(7)}$	1	A	-1	-A	1	-A	-1	A	A	-1	1	1	A	-1	1	-A	-1	A	-A	-1
$\chi_{26}^{(8)}$	1	-A	-1	A	1	A	-1	-A	-A	-1	1	1	-A	-1	1	A	-1	-1	-A	-1
$\chi_{26}^{(9)}$	2	.	2	.	.	-2	.	-2	.	-1	-1	2	.	2	-1	.	-1	.	1	1
$\chi_{26}^{(10)}$	2	.	2	.	.	2	.	2	.	-1	-1	2	.	2	-1	.	-1	.	-1	-1
$\chi_{26}^{(11)}$	2	.	-2	.	.	C	.	-C	.	1	-1	2	.	-2	-1	.	1	.	A	-A
$\chi_{26}^{(12)}$	2	.	-2	.	.	-C	.	C	.	1	-1	2	.	-2	-1	.	1	.	-A	A
$\chi_{26}^{(13)}$	2	B	.	/B	.	.	.	.	.	-A	1	.	-B	-C	-1	-/B	A	E	F	/F
$\chi_{26}^{(14)}$	2	/B	.	B	.	.	.	.	.	A	1	.	-/B	C	-1	-B	-A	-E	-/F	-F
$\chi_{26}^{(15)}$	2	B	.	/B	.	.	.	.	.	-A	1	.	-B	-C	-1	-/B	A	-E	-F	-/F
$\chi_{26}^{(16)}$	2	/B	.	B	.	.	.	.	.	A	1	.	-/B	C	-1	-B	-A	E	/F	F
$\chi_{26}^{(17)}$	2	-B	.	-/B	.	.	.	.	.	-A	1	.	B	-C	-1	/B	A	-E	F	/F
$\chi_{26}^{(18)}$	2	-/B	.	-B	.	.	.	.	.	A	1	.	/B	C	-1	B	-A	E	-/F	-F
$\chi_{26}^{(19)}$	2	-B	.	-/B	.	.	.	.	.	-A	1	.	B	-C	-1	/B	A	E	-F	-/F
$\chi_{26}^{(20)}$	2	-/B	.	-B	.	.	.	.	.	A	1	.	/B	C	-1	B	-A	-E	/F	F
$\chi_{26}^{(21)}$	3	-1	-1	-1	-1	1	-1	1	1	.	.	-1	-1	3	.	-1	.	1	.	1
$\chi_{26}^{(22)}$	3	-1	-1	-1	1	-1	1	-1	1	.	.	-1	-1	3	.	-1	.	-1	.	-1
$\chi_{26}^{(23)}$	3	1	-1	1	-1	-1	-1	-1	-1	.	.	-1	1	3	.	1	.	1	.	1
$\chi_{26}^{(24)}$	3	1	-1	1	1	1	1	1	-1	.	.	-1	1	3	.	1	.	-1	.	-1
$\chi_{26}^{(25)}$	3	A	1	-A	-1	A	1	-A	-A	.	.	-1	A	-3	.	-A	.	-1	.	-1
$\chi_{26}^{(26)}$	3	-A	1	A	-1	-A	1	A	A	.	.	-1	-A	-3	.	A	.	-1	.	-1
$\chi_{26}^{(27)}$	3	A	1	-A	1	-A	-1	A	-A	.	.	-1	A	-3	.	-A	.	1	.	1
$\chi_{26}^{(28)}$	3	-A	1	A	1	A	-1	-A	A	.	.	-1	-A	-3	.	A	.	1	.	1
$\chi_{26}^{(29)}$	4	.	.	.	.	.	.	.	.	A	-1	.	.	D	1	.	-A	.	-F	-/F
$\chi_{26}^{(30)}$	4	.	.	.	.	.	.	.	.	-A	-1	.	.	-D	1	.	A	.	/F	F
$\chi_{26}^{(31)}$	4	.	.	.	.	.	.	.	.	A	-1	.	.	D	1	.	-A	.	F	/F
$\chi_{26}^{(32)}$	4	.	.	.	.	.	.	.	.	-A	-1	.	.	-D	1	.	A	.	-/F	-F

	30									
$\chi_{26}^{(1)}$	1	1	1	1	1	1	1	1	1	1
$\chi_{26}^{(2)}$	1	-1	1	-1	-1	1	1	1	1	1
$\chi_{26}^{(3)}$	-1	1	-1	-1	1	-1	-1	-1	1	1
$\chi_{26}^{(4)}$	-1	-1	-1	1	-1	-1	-1	-1	1	1
$\chi_{26}^{(5)}$	A	-1	A	-A	-1	-A	A	-A	1	-1
$\chi_{26}^{(6)}$	-A	-1	-A	A	-1	A	-A	A	1	-1
$\chi_{26}^{(7)}$	-A	1	-A	-A	1	A	-A	A	1	-1
$\chi_{26}^{(8)}$	A	1	A	A	1	-A	A	-A	1	-1
$\chi_{26}^{(9)}$	1	.	-2	.	.	-2	-2	-2	2	2
$\chi_{26}^{(10)}$	-1	.	2	.	.	2	2	2	2	2
$\chi_{26}^{(11)}$	-A	.	C	.	.	-C	C	-C	2	-2
$\chi_{26}^{(12)}$	A	.	-C	.	.	C	-C	C	2	-2
$\chi_{26}^{(13)}$	-/F	G	H	.	-G	/H	-H	-/H	-2	C
$\chi_{26}^{(14)}$	F	G	-/H	.	-G	-H	/H	H	-2	-C
$\chi_{26}^{(15)}$	/F	-G	-H	.	G	-/H	H	/H	-2	C
$\chi_{26}^{(16)}$	-F	-G	/H	.	G	H	-/H	-H	-2	-C
$\chi_{26}^{(17)}$	-/F	-G	H	.	G	/H	-H	-/H	-2	C
$\chi_{26}^{(18)}$	F	-G	-/H	.	G	-H	/H	H	-2	-C
$\chi_{26}^{(19)}$	/F	G	-H	.	-G	-/H	H	/H	-2	C
$\chi_{26}^{(20)}$	-F	G	/H	.	-G	H	-/H	-H	-2	-C
$\chi_{26}^{(21)}$	.	1	-3	1	1	-3	-3	-3	3	3
$\chi_{26}^{(22)}$	.	-1	3	1	-1	3	3	3	3	3
$\chi_{26}^{(23)}$	.	1	3	-1	1	3	3	3	3	3
$\chi_{26}^{(24)}$	.	-1	-3	-1	-1	-3	-3	-3	3	3
$\chi_{26}^{(25)}$	.	1	I	A	1	-I	I	-I	3	-3
$\chi_{26}^{(26)}$	.	1	-I	-A	1	I	-I	I	3	-3
$\chi_{26}^{(27)}$	.	-1	-I	A	-1	I	-I	I	3	-3
$\chi_{26}^{(28)}$	.	-1	I	-A	-1	-I	I	-I	3	-3
$\chi_{26}^{(29)}$	/F	.	J	.	.	/J	-J	-/J	-4	-D
$\chi_{26}^{(30)}$	-F	.	-/J	.	.	-J	/J	J	-4	D
$\chi_{26}^{(31)}$	-/F	.	-J	.	.	-/J	J	/J	-4	-D
$\chi_{26}^{(32)}$	F	.	/J	.	.	J	-/J	-J	-4	D

where $A = -E(4) = -ER(-1) = -i$; $B = -1 + E(4) = -1 + ER(-1) = -1 + i$; $C = -2 * E(4) = -2 * ER(-1) = -2i$; $D = 4 * E(4) = 4 * ER(-1) = 4i$; $E = -E(8) + E(8)^3 = -ER(2) = -r2$; $F = E(8)$; $G = E(8) + E(8)^3 = ER(-2) = i2$; $H = -2 * E(8)^3$; $I = 3 * E(4) = 3 * ER(-1) = 3i$; $J = -4 * E(8)^3$.

The generators of $G^{s_{27}}$ are:

(1, 144, 121, 68, 149, 63, 249, 27, 99, 168, 191, 116, 210, 186, 76, 135, 23, 192, 8, 138, 75, 78, 130, 181) (2, 52, 273, 226, 259, 5, 11, 263, 26, 141, 160, 101, 16, 276, 113, 109, 74, 143, 43, 165, 150, 222, 206, 153) (3, 190, 236, 216, 148, 173, 34, 231, 254, 88, 81, 229, 89, 266, 12, 30, 155, 39, 59, 36, 164, 207, 199, 274) (4, 98, 56, 117, 167, 244, 41, 127, 67, 7, 215, 246, 124, 177, 232, 172, 201, 223, 6, 176, 198, 118, 100, 218) (9, 228, 13, 119, 179, 256, 194, 126, 171, 40, 242, 225, 137, 10, 64, 258, 146, 183, 238, 28, 62, 264, 187, 38) (14, 267, 151, 55, 84, 112, 248, 102, 240, 252, 73, 205) (15, 170, 269, 235, 166, 69, 22, 204, 203, 123, 220, 32, 247, 250, 159, 202, 110, 268, 87, 156, 47, 96, 234, 72) (17, 208, 132, 251, 211, 49, 65, 57, 106, 95, 196, 257) (18, 104, 213, 175) (19, 83, 85) (20, 261, 243, 147, 60, 197, 61, 182, 212, 90, 255, 120, 53, 107, 193, 24, 139, 217, 103, 152, 29, 71, 25, 77) (21, 44, 48, 195, 221, 245, 253, 200, 239, 125, 82, 50, 108, 233, 224,

42, 46, 237, 92, 178, 133, 93, 70, 163) (31, 51, 169, 134, 157, 66, 162, 91, 270, 97, 136, 128, 94, 188, 241, 45, 262, 37, 131, 111, 129, 154, 272, 260) (33, 209, 54, 271, 145, 86, 142, 184, 189, 230, 227, 265, 114, 105, 158, 161, 185, 79, 35, 115, 80, 140, 180, 275) (58, 219) (122, 174, 214).

The representatives of conjugacy classes of $G^{s_{27}}$ are:

() , (1, 8, 210, 249) (2, 43, 16, 11) (3, 59, 89, 34) (4, 6, 124, 41) (5, 153, 143, 101) (7, 117, 118, 172) (9, 238, 137, 194) (10, 126, 228, 28) (12, 254, 236, 164) (13, 62, 64, 171) (14, 248) (15, 87, 247, 22) (17, 65) (18, 213) (20, 103, 53, 61) (21, 92, 108, 253) (23, 191, 149, 130) (24, 90, 147, 71) (25, 139, 255, 60) (26, 273, 150, 113) (27, 144, 138, 186) (29, 193, 212, 243) (30, 88, 216, 207) (31, 131, 94, 162) (32, 69, 72, 268) (33, 35, 114, 142) (36, 266, 231, 190) (37, 128, 66, 260) (38, 183, 225, 256) (39, 229, 173, 274) (40, 119, 264, 258) (42, 125, 195, 93) (44, 178, 233, 200) (45, 97, 134, 154) (46, 82, 221, 70) (47, 159, 203, 269) (48, 133, 224, 239) (49, 257) (50, 245, 163, 237) (51, 111, 188, 91) (52, 165, 276, 263) (54, 80, 158, 189) (55, 252) (56, 198, 232, 67) (57, 208) (63, 181, 192, 116) (68, 78, 135, 168) (73, 84) (74, 160, 259, 206) (75, 76, 99, 121) (77, 217, 120, 197) (79, 265, 86, 275) (81, 148, 199, 155) (95, 251) ([...]) , (1, 23, 99) (2, 74, 26) (3, 155, 254) (4, 201, 67) (5, 222, 276) (6, 215, 56) (7, 98, 223) (8, 191, 121) (9, 146, 171) (10, 256, 264) (11, 206, 113) (12, 34, 199) (13, 238, 242) (14, 84, 240) (15, 110, 203) (16, 259, 150) (17, 211, 106) (19, 83, 85) (20, 139, 212) (21, 46, 239) (22, 234, 159) (24, 182, 77) (25, 193, 61) (27, 181, 135) (28, 225, 119) (29, 53, 60) (30, 231, 274) (31, 262, 270) (32, 235, 156) (33, 185, 189) (35, 227, 54) (36, 229, 216) (37, 97, 51) (38, 258, 126) (39, 88, 190) (40, 228, 183) (41, 100, 232) (42, 200, 163) (43, 160, 273) (44, 237, 125) (45, 91, 260) (47, 247, 166) (48, 92, 82) (49, 95, 208) (50, 195, 178) (52, 143, 141) (55, 102, 205) (57, 257, 251) (59, 81, 236) (62, 137, 179) (63, 78, 186) (64, 194, 187) (65, 196, 132) (66, 154, 188) (68, 138, 116) (69, 96, 250) (70, 224, 253) (71, 107, 197) (72, 202, 204) (73, 151, 248) (75, 210, 149) (76, 249, 130) (79, 230, 209) (80, 114, 145) (86, 140, 105) (87, 220, 269) (89, 148, 164) ([...]) , (1, 27, 76, 78, 149, 116, 8, 144, 99, 135, 130, 63, 210, 138, 121, 168, 23, 181, 249, 186, 75, 68, 191, 192) (2, 263, 113, 222, 259, 101, 43, 52, 26, 109, 206, 5, 16, 165, 273, 141, 74, 153, 11, 276, 150, 226, 160, 143) (3, 231, 12, 207, 148, 229, 59, 190, 254, 30, 199, 173, 89, 36, 236, 88, 155, 274, 34, 266, 164, 216, 81, 39) (4, 127, 232, 118, 167, 246, 6, 98, 67, 172, 100, 244, 124, 176, 56, 7, 201, 218, 41, 177, 198, 117, 215, 223) (9, 126, 64, 264, 179, 225, 238, 228, 171, 258, 187, 256, 137, 28, 13, 40, 146, 38, 194, 10, 62, 119, 242, 183) (14, 102, 151, 252, 84, 205, 248, 267, 240, 55, 73, 112) (15, 204, 159, 96, 166, 32, 87, 170, 203, 202, 234, 69, 247, 156, 269, 123, 110, 72, 22, 250, 47, 235, 220, 268) (17, 57, 132, 95, 211, 257, 65, 208, 106, 251, 196, 49) (18, 175, 213, 104) (19, 83, 85) (20, 182, 193, 71, 60, 120, 103, 261, 212, 24, 25, 197, 53, 152, 243, 90, 139, 77, 61, 107, 29, 147, 255, 217) (21, 200, 224, 93, 221, 50, 92, 44, 239, 42, 70, 245, 108, 178, 48, 125, 46, 163, 253, 233, 133, 195, 82, 237) ([...]) , (1, 63, 191, 135, 75, 144, 249, 116, 23, 78, 121, 27, 210, 192, 130, 68, 99, 186, 8, 181, 149, 168, 76, 138) (2, 5, 160, 109, 150, 52, 11, 101, 74, 222, 273, 263, 16, 143, 206, 226, 26, 276, 43, 153, 259, 141, 113, 165) (3, 173, 81, 30, 164, 190, 34, 229, 155, 207, 236, 231, 89, 39, 199, 216, 254, 266, 59, 274, 148, 88, 12, 36) (4, 244, 215, 172, 198, 98, 41, 246, 201, 118, 56, 127, 124, 223, 100, 117, 67, 177, 6, 218, 167, 7, 232, 176) (9, 256, 242, 258, 62, 228, 194, 225, 146, 264, 13, 126, 137, 183, 187, 119, 171, 10, 238, 38, 179, 40, 64, 28) (14, 112, 73, 55, 240, 267, 248, 205, 84, 252, 151, 102) (15, 69, 220, 202, 47, 170, 22, 32, 110, 96, 269, 204, 247, 268, 234, 235, 203, 250, 87, 72, 166, 123, 159, 156) (17, 49, 196, 251, 106, 208, 65, 257, 211, 95, 132, 57) (18, 104, 213, 175) (19, 85, 83) (20, 197, 255, 24, 29, 261, 61, 120, 139, 71, 243, 182, 53, 217, 25, 147, 212, 107, 103, 77, 60, 90, 193, 152) (21, 245, 82, 42, 133, 44, 253, 50, 46, 93, 48, 200, 108, 237, 70, 195, 239, 233, 92, 163, 221, 125, 224, 178) ([...]) , (1, 68, 249, 168, 210, 135, 8, 78) (2, 226, 11, 141, 16, 109, 43, 222) (3, 216, 34, 88, 89, 30, 59, 207) (4, 117, 41, 7, 124, 172, 6, 118) (5, 26, 101, 113, 143, 150, 153, 273) (9, 119, 194, 40, 137, 258, 238, 264) (10, 146, 28, 187, 228, 179, 126, 242) (12, 39, 164, 274, 236, 173, 254, 229) (13, 256, 171, 225, 64, 183, 62, 38) (14, 55, 248, 252) (15, 235, 22, 123, 247, 202, 87, 96) (17, 251, 65, 95) (18, 175, 213, 104) (20, 147, 61, 90, 53, 24, 103, 71) (21, 195, 253, 125, 108, 42, 92, 93) (23, 138, 130, 144, 149, 27, 191, 186) (25, 261, 60, 182, 255, 107, 139, 152) (29, 77, 243, 197, 212, 120, 193, 217) (31, 134, 162, 97, 94, 45, 131, 154) (32, 159, 268, 47, 72, 269, 69, 203) (33, 271, 142, 230, 114, 161, 35, 140) (36, 199, 190, 148, 231, 81, 266, 155) (37, 129, 260, 169, 66, 270, 128, 241) (44, 221,

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(44, 93, 237, 233, 125, 245) (45, 128, 91, 134, 260, 111) (48, 70, 92, 224, 82, 253) ([...]) , (1, 76, 149, 8, 99, 130, 210, 121, 23, 249, 75, 191) (2, 113, 259, 43, 26, 206, 16, 273, 74, 11, 150, 160) (3, 12, 148, 59, 254, 199, 89, 236, 155, 34, 164, 81) (4, 232, 167, 6, 67, 100, 124, 56, 201, 41, 198, 215) (5, 165, 141, 153, 276, 226, 143, 263, 222, 101, 52, 109) (7, 218, 177, 117, 223, 127, 118, 246, 98, 172, 244, 176) (9, 64, 179, 238, 171, 187, 137, 13, 146, 194, 62, 242) (10, 119, 183, 126, 264, 225, 228, 258, 256, 28, 40, 38) (14, 151, 84, 248, 240, 73) (15, 159, 166, 87, 203, 234, 247, 269, 110, 22, 47, 220) (17, 132, 211, 65, 106, 196) (18, 213) (19, 85, 83) (20, 193, 60, 103, 212, 25, 53, 243, 139, 61, 29, 255) (21, 224, 221, 92, 239, 70, 108, 48, 46, 253, 133, 82) (24, 197, 152, 90, 77, 107, 147, 217, 182, 71, 120, 261) (27, 78, 116, 144, 135, 63, 138, 168, 181, 186, 68, 192) (30, 173, 36, 88, 274, 266, 216, 39, 231, 207, 229, 190) (31, 241, 157, 131, 270, 272, 94, 169, 262, 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262, 188, 136, 91, 157) ([...]) , (1, 99, 23) (2, 26, 74) (3, 254, 155) (4, 67, 201) (5, 276, 222) (6, 56, 215) (7, 223, 98) (8, 121, 191) (9, 171, 146) (10, 264, 256) (11, 113, 206) (12, 199, 34) (13, 242, 238) (14, 240, 84) (15, 203, 110) (16, 150, 259) (17, 106, 211) (19, 85, 83) (20, 212, 139) (21, 239, 46) (22, 159, 234) (24, 77, 182) (25, 61, 193) (27, 135, 181) (28, 119, 225) (29, 60, 53) (30, 274, 231) (31, 270, 262) (32, 156, 235) (33, 189, 185) (35, 54, 227) (36, 216, 229) (37, 51, 97) (38, 126, 258) (39, 190, 88) (40, 183, 228) (41, 232, 100) (42, 163, 200) (43, 273, 160) (44, 125, 237) (45, 260, 91) (47, 166, 247) (48, 82, 92) (49, 208, 95) (50, 178, 195) (52, 141, 143) (55, 205, 102) (57, 251, 257) (59, 236, 81) (62, 179, 137) (63, 186, 78) (64, 187, 194) (65, 132, 196) (66, 188, 154) (68, 116, 138) (69, 250, 96) (70, 253, 224) (71, 197, 107) (72, 204, 202) (73, 248, 151) (75, 149, 210) (76, 130, 249) (79, 209, 230) (80, 145, 114) (86, 105, 140) (87, 269, 220) (89, 164, 148) ([...]) , (1, 116, 130, 168, 75, 27, 8, 63, 23, 68, 76, 144, 210, 181, 191, 78, 99, 138, 249, 192, 149, 135, 121, 186) (2, 101, 206, 141, 150, 263, 43, 5, 74, 226, 113, 52, 16, 153, 160, 222, 26, 165, 11, 143, 259, 109, 273, 276) (3, 229, 199, 88, 164, 231, 59, 173, 155, 216, 12, 190, 89, 274, 81, 207, 254, 36, 34, 39, 148, 30, 236, 266) (4, 246, 100, 7, 198, 127, 6, 244, 201, 117, 232, 98, 124, 218, 215, 118, 67, 176, 41, 223, 167, 172, 56, 177) (9, 225, 187, 40, 62, 126, 238, 256, 146, 119, 64, 228, 137, 38, 242, 264, 171, 28, 194, 183, 179, 258, 13, 10) (14, 205, 73, 252, 240, 102, 248, 112, 84, 55, 151, 267) (15, 32, 234, 123, 47, 204, 87, 69, 110, 235, 159, 170, 247, 72, 220, 96, 203, 156, 22, 268, 166, 202, 269, 250) (17, 257, 196, 95, 106, 57, 65, 49, 211, 251, 132, 208) (18, 175, 213, 104) (19, 85, 83) (20, 120, 25, 90, 29, 182, 103, 197, 139, 147, 193, 261, 53, 77, 255, 71, 212, 152, 61, 217, 60, 24, 243, 107) (21, 50, 70, 125, 133, 200, 92, 245, 46, 195, 224, 44, 108, 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147, 182, 120) (25, 243, 61, 255, 193, 103) (27, 116, 135, 138, 181, 68) (28, 38, 119, 126, 225, 258) (30, 36, 274, 216, 231, 229) (31, 157, 270, 94, 262, 129) (32, 202, 156, 72, 235, 204) (33, 145, 189, 114, 185, 80) (35, 180, 54, 142, 227, 158) (37, 154, 51, 66, 97, 188) (39, 207, 190, 173, 88, 266) (42, 178, 163, 195, 200, 50) (44, 245, 125, 233, 237, 93) (45, 111, 260, 134, 91, 128) (48, 253, 82, 224, 92, 70) ([...]) , (1, 168, 8, 68, 210, 78, 249, 135) (2, 141, 43, 226, 16, 222, 11, 109) (3, 88, 59, 216, 89, 207, 34, 30) (4, 7, 6, 117, 124, 118, 41, 172) (5, 113, 153, 26, 143, 273, 101, 150) (9, 40, 238, 119, 137, 264, 194, 258) (10, 187, 126, 146, 228, 242, 28, 179) (12, 274, 254, 39, 236, 229, 164, 173) (13, 225, 62, 256, 64, 38, 171, 183) (14, 252, 248, 55) (15, 123, 87, 235, 247, 96, 22, 202) (17, 95, 65, 251) (18, 104, 213, 175) (20, 90, 103, 147, 53, 71, 61, 24) (21, 125, 92, 195, 108, 93, 253, 42) (23, 144, 191, 138, 149, 186, 130, 27) (25, 182, 139, 261, 255, 152, 60, 107) (29, 197, 193, 77, 212, 217, 243, 120) (31, 97, 131, 134, 94, 154, 162, 45) (32, 47, 69, 159, 72, 203, 268, 269) (33, 230, 35, 271, 114, 140, 142, 161) (36, 148, 266, 199, 231, 155, 190, 81) (37, 169, 128, 129, 66, 241, 260, 270) (44, 82, 178, 221, 233, 70, 200, 46) (48, 50, 133, 245, 224, 163, 239, 237) (49, 132, 257, 106) (51, 136, 111, 157, 188, 272, 91, 262) ([...]) , (1, 181, 130, 78, 75, 138, 8, 192, 23, 135, 76, 186, 210, 116, 191, 168, 99, 27, 249, 63, 149, 68, 121, 144) (2, 153, 206, 222, 150, 165, 43, 143, 74, 109, 113, 276, 16, 101, 160, 141, 26, 263, 11, 5, 259, 226, 273, 52) (3, 274, 199, 207, 164, 36, 59, 39, 155, 30, 12, 266, 89, 229, 81, 88, 254, 231, 34, 173, 148, 216, 236, 190) (4, 218, 100, 118, 198, 176, 6, 223, 201, 172, 232, 177, 124, 246, 215, 7, 67, 127, 41, 244, 167, 117, 56, 98) (9, 38, 187, 264, 62, 28, 238, 183, 146, 258, 64, 10, 137, 225, 242, 40, 171, 126, 194, 256, 179, 119, 13, 228) (14, 205, 73, 252, 240, 102, 248, 112, 84, 55, 151, 267) (15, 72, 234, 96, 47, 156, 87, 268, 110, 202, 159, 250, 247, 32, 220, 123, 203, 204, 22, 69, 166, 235, 269, 170) (17, 257, 196, 95, 106, 57, 65, 49, 211, 251, 132, 208) (18, 175, 213, 104) (19, 85, 83) (20, 77, 25, 71, 29, 152, 103, 217, 139, 24, 193, 107, 53, 120, 255, 90, 212, 182, 61, 197, 60, 147, 243, 261) (21, 163, 70, 93, 133, 178, 92, 237, 46, 42, 224, 233, 108, 50, 82, 125, 239, 200, 253, 245, 221, 195, 48, 44) ([...]) , (1, 186, 121, 135, 149, 192, 249, 138, 99, 78, 191, 181, 210, 144, 76, 68, 23, 63, 8, 27, 75, 168, 130, 116) (2, 276, 273, 109, 259, 143, 11, 165, 26, 222, 160, 153, 16, 52, 113, 226, 74, 5, 43, 263, 150, 141, 206, 101) (3, 266, 236, 30, 148, 39, 34, 36, 254, 207, 81, 274, 89, 190, 12, 216, 155, 173, 59, 231, 164, 88, 199, 229) (4, 177, 56, 172, 167, 223, 41, 176, 67, 118, 215, 218, 124, 98, 232, 117, 201, 244, 6, 127, 198, 7, 100, 246) (9, 10, 13, 258, 179, 183, 194, 28, 171, 264, 242, 38, 137, 228, 64, 119, 146, 256, 238, 126, 62, 40, 187, 225) (14, 267, 151, 55, 84, 112, 248, 102, 240, 252, 73, 205) (15, 250, 269, 202, 166, 268, 22, 156, 203, 96, 220, 72, 247, 170, 159, 235, 110, 69, 87, 204, 47, 123, 234, 32) (17, 208, 132, 251, 211, 49, 65, 57, 106, 95, 196, 257) (18, 104, 213, 175) (19, 83, 85) (20, 107, 243, 24, 60, 217, 61, 152, 212, 71, 255, 77, 53, 261, 193, 147, 139, 197, 103, 182, 29, 90, 25, 120) (21, 233, 48, 42, 221, 237, 253, 178, 239, 93, 82, 163, 108, 44, 224, 195, 46, 245, 92, 200, 133, 125, 70, 50) ([...]) , (1, 191, 75, 249, 23, 121, 210, 130, 99, 8, 149, 76) (2, 160, 150, 11, 74, 273, 16, 206, 26, 43, 259, 113) (3, 81, 164, 34, 155, 236, 89, 199, 254, 59, 148, 12) (4, 215, 198, 41, 201, 56, 124, 100, 67, 6, 167, 232) (5, 109, 52, 101, 222, 263, 143, 226, 276, 153, 141, 165) (7, 176, 244, 172, 98, 246, 118, 127, 223, 117, 177, 218) (9, 242, 62, 194, 146, 13, 137, 187, 171, 238, 179, 64) (10, 38, 40, 28, 256, 258, 228, 225, 264, 126, 183, 119) (14, 73, 240, 248, 84, 151) (15, 220, 47, 22, 110, 269, 247, 234, 203, 87, 166, 159) (17, 196, 106, 65, 211, 132) (18, 213) (19, 83, 85) (20, 255, 29, 61, 139, 243, 53, 25, 212, 103, 60, 193) (21, 82, 133, 253, 46, 48, 108, 70, 239, 92, 221, 224) (24, 261, 120, 71, 182, 217, 147, 107, 77, 90, 152, 197) (27, 192, 68, 186, 181, 168, 138, 63, 135, 144, 116, 78) (30, 190, 229, 207, 231, 39, 216, 266, 274, 88, 36, 173) (31, 136, 129, 162, 262, 169, 94, 272, 270, 131, 157, 241) (32, 96, 204, 268, 235, 250, 72, 123, 156, 69, 202, 170) ([...]) , (1, 192, 191, 68, 75, 186, 249, 181, 23, 168, 121, 138, 210, 63, 130, 135, 99, 144, 8, 116, 149, 78, 76, 27) (2, 143, 160, 226, 150, 276, 11, 153, 74, 141, 273, 165, 16, 5, 206, 109, 26, 52, 43, 101, 259, 222, 113, 263) (3, 39, 81, 216, 164, 266, 34, 274, 155, 88, 236, 36, 89, 173, 199, 30, 254, 190, 59, 229, 148, 207, 12, 231) (4, 223, 215, 117, 198, 177, 41, 218, 201, 7, 56, 176, 124, 244, 100, 172, 67, 98, 6, 246, 167, 118, 232, 127) (9, 183, 242, 119, 62, 10, 194, 38, 146, 40, 13, 28, 137, 256, 187, 258, 171, 228, 238, 225, 179, 264, 64, 126) (14, 112, 73, 55, 240, 267, 248, 205, 84, 252, 151, 102) (15, 268, 220, 235, 47, 250, 22, 72, 110, 123, 269, 156, 247, 69, 234, 202, 203, 170, 87, 32, 166, 96, 159, 204) (17, 49, 196, 251, 106, 208, 65, 257, 211, 95, 132, 57) (18, 104, 213, 175) (19, 85, 83) (20, 217, 255, 147, 29, 107, 61,

77, 139, 90, 243, 152, 53, 197, 25, 24, 212, 261, 103, 120, 60, 71, 193, 182) (21, 237, 82, 195, 133, 233, 253, 163, 46, 125, 48, 178, 108, 245, 70, 42, 239, 44, 92, 50, 221, 93, 224, 200) ([...]) , (1, 210) (2, 16) (3, 89) (4, 124) (5, 143) (6, 41) (7, 118) (8, 249) (9, 137) (10, 228) (11, 43) (12, 236) (13, 64) (15, 247) (20, 53) (21, 108) (22, 87) (23, 149) (24, 147) (25, 255) (26, 150) (27, 138) (28, 126) (29, 212) (30, 216) (31, 94) (32, 72) (33, 114) (34, 59) (35, 142) (36, 231) (37, 66) (38, 225) (39, 173) (40, 264) (42, 195) (44, 233) (45, 134) (46, 221) (47, 203) (48, 224) (50, 163) (51, 188) (52, 276) (54, 158) (56, 232) (60, 139) (61, 103) (62, 171) (63, 192) (67, 198) (68, 135) (69, 268) (70, 82) (71, 90) (74, 259) (75, 99) (76, 121) (77, 120) (78, 168) (79, 86) (80, 189) (81, 199) (88, 207) (91, 111) (92, 253) (93, 125) (96, 123) (97, 154) (98, 177) (100, 215) (101, 153) (105, 209) (107, 261) (109, 226) (110, 166) (113, 273) (115, 184) (116, 181) (117, 172) (119, 258) (127, 176) (128, 260) (129, 270) (130, 191) (131, 162) (133, 239) (136, 272) (140, 230) (141, 222) (144, 186) (145, 185) (146, 179) (148, 155) (152, 182) (156, 204) (157, 262) (159, 269) (160, 206) (161, 271) ([...]) , (1, 249, 210, 8) (2, 11, 16, 43) (3, 34, 89, 59) (4, 41, 124, 6) (5, 101, 143, 153) (7, 172, 118, 117) (9, 194, 137, 238) (10, 28, 228, 126) (12, 164, 236, 254) (13, 171, 64, 62) (14, 248) (15, 22, 247, 87) (17, 65) (18, 213) (20, 61, 53, 103) (21, 253, 108, 92) (23, 130, 149, 191) (24, 71, 147, 90) (25, 60, 255, 139) (26, 113, 150, 273) (27, 186, 138, 144) (29, 243, 212, 193) (30, 207, 216, 88) (31, 162, 94, 131) (32, 268, 72, 69) (33, 142, 114, 35) (36, 190, 231, 266) (37, 260, 66, 128) (38, 256, 225, 183) (39, 274, 173, 229) (40, 258, 264, 119) (42, 93, 195, 125) (44, 200, 233, 178) (45, 154, 134, 97) (46, 70, 221, 82) (47, 269, 203, 159) (48, 239, 224, 133) (49, 257) (50, 237, 163, 245) (51, 91, 188, 111) (52, 263, 276, 165) (54, 189, 158, 80) (55, 252) (56, 67, 232, 198) (57, 208) (63, 116, 192, 181) (68, 168, 135, 78) (73, 84) (74, 206, 259, 160) (75, 121, 99, 76) (77, 197, 120, 217) (79, 275, 86, 265) (81, 155, 199, 148) (95, 251) ([...]) .

The character table of $G^{s_{27}}$:

	10																		20
$\chi_{27}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{27}^{(2)}$	1	1	1	-1	-1	-1	1	1	-1	1	-1	1	1	-1	-1	-1	1	-1	-1
$\chi_{27}^{(3)}$	1	1	B	B	/B	1	/B	/B	1	/B	/B	/B	B	1	B	B	B	1	/B
$\chi_{27}^{(4)}$	1	1	B	-B	-/B	-1	/B	/B	-1	/B	-/B	/B	B	-1	-B	-B	B	-1	-/B
$\chi_{27}^{(5)}$	1	1	/B	/B	B	1	B	B	1	B	B	B	/B	1	/B	/B	/B	1	B
$\chi_{27}^{(6)}$	1	1	/B	-/B	-B	-1	B	B	-1	B	-B	B	/B	-1	-/B	-/B	/B	-1	-B
$\chi_{27}^{(7)}$	1	-1	1	-A	A	-A	1	-1	A	1	-A	-1	-1	-A	-A	A	1	A	-A
$\chi_{27}^{(8)}$	1	-1	1	A	-A	A	1	-1	-A	1	A	-1	-1	A	A	-A	1	-A	-A
$\chi_{27}^{(9)}$	1	-1	B	C	/C	-A	/B	-/B	A	/B	-/C	-/B	-B	-A	C	-C	B	A	-/C
$\chi_{27}^{(10)}$	1	-1	B	-C	-/C	A	/B	-/B	-A	/B	/C	-/B	-B	A	-C	C	B	-A	/C
$\chi_{27}^{(11)}$	1	-1	/B	-/C	-C	-A	B	-B	A	B	C	-B	-/B	-A	-/C	/C	/B	A	C
$\chi_{27}^{(12)}$	1	-1	/B	/C	C	A	B	-B	-A	B	-C	-B	-/B	A	/C	-/C	/B	-A	-C
$\chi_{27}^{(13)}$	1	A	1	D	-/D	-D	-1	-A	-/D	1	-D	A	-A	D	-D	/D	-1	/D	-/D
$\chi_{27}^{(14)}$	1	A	1	-D	/D	D	-1	-A	/D	1	D	A	-A	-D	D	-/D	-1	-/D	-D
$\chi_{27}^{(15)}$	1	A	B	E	-/E	-D	-/B	-/C	-/D	/B	-F	/C	C	D	-E	/F	-B	/D	-/F
$\chi_{27}^{(16)}$	1	A	B	-E	/E	D	-/B	-/C	/D	/B	F	/C	C	-D	E	-/F	-B	-/D	-F
$\chi_{27}^{(17)}$	1	A	/B	F	-/F	-D	-B	C	-/D	B	-E	-C	-/C	D	-F	/E	-/B	/D	-E
$\chi_{27}^{(18)}$	1	A	/B	-F	/F	D	-B	C	/D	B	E	-C	-/C	-D	F	-/E	-/B	-/D	-E
$\chi_{27}^{(19)}$	1	-A	1	-/D	D	/D	-1	A	D	1	/D	-A	A	-/D	/D	-D	-1	-D	-/D
$\chi_{27}^{(20)}$	1	-A	1	/D	-D	-/D	-1	A	-D	1	-/D	-A	A	/D	-/D	D	-1	D	-D
$\chi_{27}^{(21)}$	1	-A	B	-/F	F	/D	-/B	/C	D	/B	/E	-/C	-C	-/D	/F	-E	-B	-D	-/E
$\chi_{27}^{(22)}$	1	-A	B	/F	-F	-/D	-/B	/C	-D	/B	-/E	-/C	-C	/D	-/F	E	-B	D	-E
$\chi_{27}^{(23)}$	1	-A	/B	-/E	E	/D	-B	-C	D	B	/F	C	/C	-/D	/E	-F	-/B	-D	-/F
$\chi_{27}^{(24)}$	1	-A	/B	/E	-E	-/D	-B	-C	-D	B	-/F	C	/C	/D	-/E	F	-/B	D	-F

$\chi_{27}^{(1)}$	1	1	1	1
$\chi_{27}^{(2)}$	1	-1	1	1
$\chi_{27}^{(3)}$	B	/B	1	1
$\chi_{27}^{(4)}$	B	-/B	1	1
$\chi_{27}^{(5)}$	/B	B	1	1
$\chi_{27}^{(6)}$	/B	-B	1	1
$\chi_{27}^{(7)}$	-1	A	1	-1
$\chi_{27}^{(8)}$	-1	-A	1	-1
$\chi_{27}^{(9)}$	-B	/C	1	-1
$\chi_{27}^{(10)}$	-B	-/C	1	-1
$\chi_{27}^{(11)}$	-/B	-C	1	-1
$\chi_{27}^{(12)}$	-/B	C	1	-1
$\chi_{27}^{(13)}$	A	/D	-1	-A
$\chi_{27}^{(14)}$	A	-/D	-1	-A
$\chi_{27}^{(15)}$	-C	/E	-1	-A
$\chi_{27}^{(16)}$	-C	-/E	-1	-A
$\chi_{27}^{(17)}$	/C	/F	-1	-A
$\chi_{27}^{(18)}$	/C	-/F	-1	-A
$\chi_{27}^{(19)}$	-A	-D	-1	A
$\chi_{27}^{(20)}$	-A	D	-1	A
$\chi_{27}^{(21)}$	C	-F	-1	A
$\chi_{27}^{(22)}$	C	F	-1	A
$\chi_{27}^{(23)}$	-/C	-E	-1	A
$\chi_{27}^{(24)}$	-/C	E	-1	A

where $A=E(4)=ER(-1)=i$; $B=E(3)^2=(-1-ER(-3))/2=-1-b_3$; $C=-E(12)^{11}$; $D=-E(8)^3$; $E=-E(24)$; $F=-E(24)^{17}$.

The generators of $G^{s_{28}}$ are:

(1, 121, 149, 249, 99, 191, 210, 76, 23, 8, 75, 130) (2, 273, 259, 11, 26, 160, 16, 113, 74, 43, 150, 206) (3, 236, 148, 34, 254, 81, 89, 12, 155, 59, 164, 199) (4, 56, 167, 41, 67, 215, 124, 232, 201, 6, 198, 100) (5, 263, 141, 101, 276, 109, 143, 165, 222, 153, 52, 226) (7, 246, 177, 172, 223, 176, 118, 218, 98, 117, 244, 127) (9, 13, 179, 194, 171, 242, 137, 64, 146, 238, 62, 187) (10, 258, 183, 28, 264, 38, 228, 119, 256, 126, 40, 225) (14, 151, 84, 248, 240, 73) (15, 269, 166, 22, 203, 220, 247, 159, 110, 87, 47, 234) (17, 132, 211, 65, 106, 196) (18, 213) (19, 85, 83) (20, 243, 60, 61, 212, 255, 53, 193, 139, 103, 29, 25) (21, 48, 221, 253, 239, 82, 108, 224, 46, 92, 133, 70) (24, 217, 152, 71, 77, 261, 147, 197, 182, 90, 120, 107) (27, 168, 116, 186, 135, 192, 138, 78, 181, 144, 68, 63) (30, 39, 36, 207, 274, 190, 216, 173, 231, 88, 229, 266) (31, 169, 157, 162, 270, 136, 94, 241, 262, 131, 129, 272) (32, 250, 202, 268, 156, 96, 72, 170, 235, 69, 204, 123) (33, 54, 145, 142, 189, 227, 114, 158, 185, 35, 80, 180) (37, 111, 154, 260, 51, 134, 66, 91, 97, 128, 188, 45) (42, 237, 178, 93, 163, 44, 195, 245, 200, 125, 50, 233) (49, 57, 95, 257, 208, 251) (55, 112, 102, 252, 205, 267) (79, 115, 140, 275, 209, 271, 86, 184, 230, 265, 105, 161) (104, 175) (122, 214, 174) , (1, 21, 8, 92, 210, 108, 249, 253) (2, 156, 43, 250, 16, 204, 11, 170) (3, 60, 59, 25, 89, 139, 34, 255) (4, 13, 6, 62, 124, 64, 41, 171) (5, 247, 153, 22, 143, 15, 101, 87) (7, 38, 117, 183, 118, 225, 172, 256) (9, 201, 238, 215, 137, 167, 194, 100) (10, 223, 126, 246, 228, 244, 28, 218) (12, 103, 254, 53, 236, 61, 164, 20) (14, 55, 248, 252) (17, 95, 65, 251) (18, 104, 213, 175) (19, 214) (23, 46, 191, 82, 149, 221, 130, 70) (24, 39, 90, 229, 147, 173, 71, 274) (26, 235, 273, 96, 150, 202, 113, 123) (27, 178, 144, 233, 138, 200, 186, 44) (29, 81, 193, 148, 212, 199, 243, 155) (30, 182, 88, 261, 216, 152, 207, 107) (31, 134, 131, 154, 94, 45, 162, 97) (32, 160, 69, 259, 72, 206, 268, 74) (33, 161, 35, 230, 114, 271, 142, 140) (36, 120, 266, 197, 231, 77, 190, 217) (37, 270, 128, 169, 66, 129, 260, 241) (40, 177, 119, 127, 264, 98, 258, 176) (42, 78, 125, 135, 195, 168, 93, 68) (47, 263, 159, 52,

203, 165, 269, 276) (48, 75, 133, 76, 224, 99, 239, 121) (49, 132, 257, 106) (50, 192, 245, 116, 163, 63, 237, 181) (51, 262, 111, 136, 188, 157, 91, 272) (54, 79, 80, 265, 158, 86, 189, 275) (56, 179, 198, 187, 232, 146, 67, 242) (57, 211, 208, 196) (73, 267, 84, 102) (83, 122) (85, 174) (105, 185, 184, 227, 209, 145, 115, 180) (109, 234, 141, 110, 226, 220, 222, 166) (112, 240, 205, 151) , (1, 27, 76, 78, 149, 116, 8, 144, 99, 135, 130, 63, 210, 138, 121, 168, 23, 181, 249, 186, 75, 68, 191, 192) (2, 263, 113, 222, 259, 101, 43, 52, 26, 109, 206, 5, 16, 165, 273, 141, 74, 153, 11, 276, 150, 226, 160, 143) (3, 231, 12, 207, 148, 229, 59, 190, 254, 30, 199, 173, 89, 36, 236, 88, 155, 274, 34, 266, 164, 216, 81, 39) (4, 127, 232, 118, 167, 246, 6, 98, 67, 172, 100, 244, 124, 176, 56, 7, 201, 218, 41, 177, 198, 117, 215, 223) (9, 126, 64, 264, 179, 225, 238, 228, 171, 258, 187, 256, 137, 28, 13, 40, 146, 38, 194, 10, 62, 119, 242, 183) (14, 102, 151, 252, 84, 205, 248, 267, 240, 55, 73, 112) (15, 204, 159, 96, 166, 32, 87, 170, 203, 202, 234, 69, 247, 156, 269, 123, 110, 72, 22, 250, 47, 235, 220, 268) (17, 57, 132, 95, 211, 257, 65, 208, 106, 251, 196, 49) (18, 175, 213, 104) (19, 83, 85) (20, 182, 193, 71, 60, 120, 103, 261, 212, 24, 25, 197, 53, 152, 243, 90, 139, 77, 61, 107, 29, 147, 255, 217) (21, 200, 224, 93, 221, 50, 92, 44, 239, 42, 70, 245, 108, 178, 48, 125, 46, 163, 253, 233, 133, 195, 82, 237) (31, 91, 241, 154, 157, 128, 131, 51, 270, 45, 272, 66, 94, 111, 169, 97, 262, 260, 162, 188, 129, 134, 136, 37) (33, 184, 158, 140, 145, 265, 35, 209, 189, 161, 180, 86, 114, 115, 54, 230, 185, 275, 142, 105, 80, 271, 227, 79) (58, 219) (122, 174, 214).

The representatives of conjugacy classes of $G^{s_{28}}$ are:

() , (1, 8, 210, 249) (2, 43, 16, 11) (3, 59, 89, 34) (4, 6, 124, 41) (5, 153, 143, 101) (7, 117, 118, 172) (9, 238, 137, 194) (10, 126, 228, 28) (12, 254, 236, 164) (13, 62, 64, 171) (14, 248) (15, 87, 247, 22) (17, 65) (18, 213) (20, 103, 53, 61) (21, 92, 108, 253) (23, 191, 149, 130) (24, 90, 147, 71) (25, 139, 255, 60) (26, 273, 150, 113) (27, 144, 138, 186) (29, 193, 212, 243) (30, 88, 216, 207) (31, 131, 94, 162) (32, 69, 72, 268) (33, 35, 114, 142) (36, 266, 231, 190) (37, 128, 66, 260) (38, 183, 225, 256) (39, 229, 173, 274) (40, 119, 264, 258) (42, 125, 195, 93) (44, 178, 233, 200) (45, 97, 134, 154) (46, 82, 221, 70) (47, 159, 203, 269) (48, 133, 224, 239) (49, 257) (50, 245, 163, 237) (51, 111, 188, 91) (52, 165, 276, 263) (54, 80, 158, 189) (55, 252) (56, 198, 232, 67) (57, 208) (63, 181, 192, 116) (68, 78, 135, 168) (73, 84) (74, 160, 259, 206) (75, 76, 99, 121) (77, 217, 120, 197) (79, 265, 86, 275) (81, 148, 199, 155) (95, 251) ([...]) , (1, 21, 8, 92, 210, 108, 249, 253) (2, 156, 43, 250, 16, 204, 11, 170) (3, 60, 59, 25, 89, 139, 34, 255) (4, 13, 6, 62, 124, 64, 41, 171) (5, 247, 153, 22, 143, 15, 101, 87) (7, 38, 117, 183, 118, 225, 172, 256) (9, 201, 238, 215, 137, 167, 194, 100) (10, 223, 126, 246, 228, 244, 28, 218) (12, 103, 254, 53, 236, 61, 164, 20) (14, 55, 248, 252) (17, 95, 65, 251) (18, 104, 213, 175) (19, 214) (23, 46, 191, 82, 149, 221, 130, 70) (24, 39, 90, 229, 147, 173, 71, 274) (26, 235, 273, 96, 150, 202, 113, 123) (27, 178, 144, 233, 138, 200, 186, 44) (29, 81, 193, 148, 212, 199, 243, 155) (30, 182, 88, 261, 216, 152, 207, 107) (31, 134, 131, 154, 94, 45, 162, 97) (32, 160, 69, 259, 72, 206, 268, 74) (33, 161, 35, 230, 114, 271, 142, 140) (36, 120, 266, 197, 231, 77, 190, 217) (37, 270, 128, 169, 66, 129, 260, 241) (40, 177, 119, 127, 264, 98, 258, 176) (42, 78, 125, 135, 195, 168, 93, 68) (47, 263, 159, 52, 203, 165, 269, 276) (48, 75, 133, 76, 224, 99, 239, 121) ([...]) , (1, 23, 99) (2, 74, 26) (3, 155, 254) (4, 201, 67) (5, 222, 276) (6, 215, 56) (7, 98, 223) (8, 191, 121) (9, 146, 171) (10, 256, 264) (11, 206, 113) (12, 34, 199) (13, 238, 242) (14, 84, 240) (15, 110, 203) (16, 259, 150) (17, 211, 106) (19, 83, 85) (20, 139, 212) (21, 46, 239) (22, 234, 159) (24, 182, 77) (25, 193, 61) (27, 181, 135) (28, 225, 119) (29, 53, 60) (30, 231, 274) (31, 262, 270) (32, 235, 156) (33, 185, 189) (35, 227, 54) (36, 229, 216) (37, 97, 51) (38, 258, 126) (39, 88, 190) (40, 228, 183) (41, 100, 232) (42, 200, 163) (43, 160, 273) (44, 237, 125) (45, 91, 260) (47, 247, 166) (48, 92, 82) (49, 95, 208) (50, 195, 178) (52, 143, 141) (55, 102, 205) (57, 257, 251) (59, 81, 236) (62, 137, 179) (63, 78, 186) (64, 194, 187) (65, 196, 132) (66, 154, 188) (68, 138, 116) (69, 96, 250) (70, 224, 253) (71, 107, 197) (72, 202, 204) (73, 151, 248) (75, 210, 149) (76, 249, 130) (79, 230, 209) (80, 114, 145) (86, 140, 105) (87, 220, 269) (89, 148, 164) ([...]) , (1, 27, 76, 78, 149, 116, 8, 144, 99, 135, 130, 63, 210, 138, 121, 168, 23, 181, 249, 186, 75, 68, 191, 192) (2, 263, 113, 222, 259, 101, 43, 52, 26, 109, 206, 5, 16, 165, 273, 141, 74, 153, 11, 276, 150, 226, 160, 143) (3, 231, 12, 207, 148, 229, 59, 190, 254, 30, 199, 173, 89, 36, 236, 88, 155, 274, 34, 266, 164, 216, 81, 39) (4, 127, 232, 118, 167, 246, 6, 98, 67, 172, 100, 244, 124, 176, 56, 7, 201, 218, 41, 177, 198, 117, 215, 223) (9, 126, 64,

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The character table of $G^{s_{28}}$:

	10										20									
$\chi_{28}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{28}^{(2)}$	1	1	-1	1	-1	1	1	-1	-1	1	-1	-1	-1	1	1	-1	-1	1	1	-1
$\chi_{28}^{(3)}$	1	1	-1	1	1	-1	-1	-1	-1	-1	1	1	-1	1	1	1	-1	-1	1	1
$\chi_{28}^{(4)}$	1	1	1	1	-1	-1	-1	1	1	-1	-1	-1	1	1	1	-1	1	-1	1	-1
$\chi_{28}^{(5)}$	1	-1	B	1	B	-1	1	B	-B	-1	-B	B	-B	1	-1	-B	-B	1	1	B
$\chi_{28}^{(6)}$	1	-1	-B	1	-B	-1	1	-B	B	-1	B	-B	B	1	-1	B	B	1	1	-B
$\chi_{28}^{(7)}$	1	-1	B	1	-B	1	-1	B	-B	1	B	-B	-B	1	-1	B	-B	-1	1	-B
$\chi_{28}^{(8)}$	1	-1	-B	1	B	1	-1	-B	B	1	-B	B	B	1	-1	-B	B	-1	1	B
$\chi_{28}^{(9)}$	1	-1	B	C	E	-1	C	E	/E	-/C	/E	B	-E	/C	-/C	-B	-B	1	/C	-/E
$\chi_{28}^{(10)}$	1	-1	B	/C	-/E	-1	/C	-/E	-E	-C	-E	B	/E	C	-C	-B	-B	1	C	E
$\chi_{28}^{(11)}$	1	-1	-B	C	-E	-1	C	-E	-/E	-/C	-/E	-B	E	/C	-/C	B	B	1	/C	/E
$\chi_{28}^{(12)}$	1	-1	-B	/C	/E	-1	/C	/E	E	-C	E	-B	-/E	C	-C	B	B	1	C	-E
$\chi_{28}^{(13)}$	1	-1	B	C	-E	1	-C	E	/E	/C	-/E	-B	-E	/C	-/C	B	-B	-1	/C	/E
$\chi_{28}^{(14)}$	1	-1	B	/C	/E	1	-/C	-/E	-E	C	E	-B	/E	C	-C	B	-B	-1	C	-E
$\chi_{28}^{(15)}$	1	-1	-B	C	E	1	-C	-E	-/E	/C	/E	B	E	/C	-/C	-B	B	-1	/C	-/E
$\chi_{28}^{(16)}$	1	-1	-B	/C	-/E	1	-/C	/E	E	C	-E	B	-/E	C	-C	-B	B	-1	C	E
$\chi_{28}^{(17)}$	1	1	-1	C	-C	1	C	-C	-/C	/C	-/C	-1	-C	/C	/C	-1	-1	1	/C	-/C
$\chi_{28}^{(18)}$	1	1	-1	/C	-/C	1	/C	-/C	-C	C	-C	-1	-/C	C	C	-1	-1	1	C	-C
$\chi_{28}^{(19)}$	1	1	-1	C	C	-1	-C	-C	-/C	-/C	/C	1	-C	/C	/C	1	-1	-1	/C	/C
$\chi_{28}^{(20)}$	1	1	-1	/C	/C	-1	-/C	-/C	-C	-C	C	1	-/C	C	C	1	-1	-1	C	C
$\chi_{28}^{(21)}$	1	1	1	C	-C	-1	-C	C	/C	-/C	-/C	-1	C	/C	/C	-1	1	-1	/C	-/C
$\chi_{28}^{(22)}$	1	1	1	/C	-/C	-1	-/C	/C	C	-C	-C	-1	/C	C	C	-1	1	-1	C	-C
$\chi_{28}^{(23)}$	1	1	1	C	C	1	C	C	/C	/C	/C	1	C	/C	/C	1	1	1	/C	/C
$\chi_{28}^{(24)}$	1	1	1	/C	/C	1	/C	/C	C	C	C	1	/C	C	C	1	1	1	C	C
$\chi_{28}^{(25)}$	2	A	.	2	.	.	.	.	.	.	.	.	.	-2	-A	.	.	.	2	.
$\chi_{28}^{(26)}$	2	-A	.	2	.	.	.	.	.	.	.	.	.	-2	A	.	.	.	2	.
$\chi_{28}^{(27)}$	2	A	.	D	.	.	.	.	.	.	.	.	.	-/D	F	.	.	.	/D	.
$\chi_{28}^{(28)}$	2	A	.	/D	.	.	.	.	.	.	.	.	.	-D	-/F	.	.	.	D	.
$\chi_{28}^{(29)}$	2	-A	.	D	.	.	.	.	.	.	.	.	.	-/D	-F	.	.	.	/D	.
$\chi_{28}^{(30)}$	2	-A	.	/D	.	.	.	.	.	.	.	.	.	-D	/F	.	.	.	D	.

$\chi_{28}^{(1)}$	1	1	1	1	1	1	1	1	1
$\chi_{28}^{(2)}$	1	-1	-1	1	1	1	1	1	1
$\chi_{28}^{(3)}$	1	-1	1	1	-1	1	1	-1	1
$\chi_{28}^{(4)}$	1	1	-1	1	-1	1	1	-1	1
$\chi_{28}^{(5)}$	-1	B	-B	1	-1	-1	1	1	-1
$\chi_{28}^{(6)}$	-1	-B	B	1	-1	-1	1	1	-1
$\chi_{28}^{(7)}$	-1	B	B	1	1	-1	1	-1	-1
$\chi_{28}^{(8)}$	-1	-B	-B	1	1	-1	1	-1	-1
$\chi_{28}^{(9)}$	-C	-/E	-E	C	-C	-C	1	/C	-1
$\chi_{28}^{(10)}$	-/C	E	/E	/C	-/C	-/C	1	C	-1
$\chi_{28}^{(11)}$	-C	/E	E	C	-C	-C	1	/C	-1
$\chi_{28}^{(12)}$	-/C	-E	-/E	/C	-/C	-/C	1	C	-1
$\chi_{28}^{(13)}$	-C	-/E	E	C	C	-C	1	-/C	-1
$\chi_{28}^{(14)}$	-/C	E	-/E	/C	/C	-/C	1	-C	-1
$\chi_{28}^{(15)}$	-C	/E	-E	C	C	-C	1	-/C	-1
$\chi_{28}^{(16)}$	-/C	-E	/E	/C	/C	-/C	1	-C	-1
$\chi_{28}^{(17)}$	C	-/C	-C	C	C	C	1	/C	1
$\chi_{28}^{(18)}$	/C	-C	-/C	/C	/C	/C	1	C	1
$\chi_{28}^{(19)}$	C	-/C	C	C	-C	C	1	-/C	1
$\chi_{28}^{(20)}$	/C	-C	/C	/C	-/C	/C	1	-C	1
$\chi_{28}^{(21)}$	C	/C	-C	C	-C	C	1	-/C	1
$\chi_{28}^{(22)}$	/C	C	-/C	/C	-/C	/C	1	-C	1
$\chi_{28}^{(23)}$	C	/C	C	C	C	C	1	/C	1
$\chi_{28}^{(24)}$	/C	C	/C	/C	/C	/C	1	C	1
$\chi_{28}^{(25)}$	-A	.	.	-2	.	A	-2	.	-A
$\chi_{28}^{(26)}$	A	.	.	-2	.	-A	-2	.	A
$\chi_{28}^{(27)}$	-/F	.	.	-D	.	/F	-2	.	-A
$\chi_{28}^{(28)}$	F	.	.	-/D	.	-F	-2	.	-A
$\chi_{28}^{(29)}$	/F	.	.	-D	.	-/F	-2	.	A
$\chi_{28}^{(30)}$	-F	.	.	-/D	.	F	-2	.	A

where $A = -2^*E(4) = -2^*ER(-1) = -2i$; $B = -E(4) = -ER(-1) = -i$; $C = E(3)^2 = (-1 - ER(-3))/2 = -1 - b_3$; $D = 2^*E(3)^2 = -1 - ER(-3) = -1 - i_3$; $E = -E(12)^{11}$; $F = 2^*E(12)^7$.

The generators of $G^{s_{29}}$ are:

(1, 149, 99, 210, 23, 75) (2, 259, 26, 16, 74, 150) (3, 148, 254, 89, 155, 164) (4, 167, 67, 124, 201, 198) (5, 141, 276, 143, 222, 52) (6, 100, 56, 41, 215, 232) (7, 177, 223, 118, 98, 244) (8, 130, 121, 249, 191, 76) (9, 179, 171, 137, 146, 62) (10, 183, 264, 228, 256, 40) (11, 160, 113, 43, 206, 273) (12, 59, 199, 236, 34, 81) (13, 194, 242, 64, 238, 187) (14, 84, 240) (15, 166, 203, 247, 110, 47) (17, 211, 106) (19, 83, 85) (20, 60, 212, 53, 139, 29) (21, 221, 239, 108, 46, 133) (22, 220, 159, 87, 234, 269) (24, 152, 77, 147, 182, 120) (25, 243, 61, 255, 193, 103) (27, 116, 135, 138, 181, 68) (28, 38, 119, 126, 225, 258) (30, 36, 274, 216, 231, 229) (31, 157, 270, 94, 262, 129) (32, 202, 156, 72, 235, 204) (33, 145, 189, 114, 185, 80) (35, 180, 54, 142, 227, 158) (37, 154, 51, 66, 97, 188) (39, 207, 190, 173, 88, 266) (42, 178, 163, 195, 200, 50) (44, 245, 125, 233, 237, 93) (45, 111, 260, 134, 91, 128) (48, 253, 82, 224, 92, 70) (49, 95, 208) (55, 102, 205) (57, 257, 251) (63, 168, 186, 192, 78, 144) (65, 196, 132) (69, 123, 250, 268, 96, 170) (71, 261, 197, 90, 107, 217) (73, 151, 248) (79, 140, 209, 86, 230, 105) (101, 109, 165, 153, 226, 263) (112, 252, 267) (115, 275, 271, 184, 265, 161) (117, 127, 246, 172, 176, 218) (122, 174, 214) (131, 272, 169, 162, 136, 241) , (2, 53) (3, 71) (4,

24) (5, 27) (6, 34) (7, 45) (8, 36) (10, 38) (11, 43) (12, 56) (13, 64) (14, 49) (15, 42) (16, 20) (18, 58) (21, 61) (22, 31) (25, 46) (26, 29) (28, 40) (30, 76) (32, 72) (33, 44) (35, 78) (39, 69) (41, 59) (47, 50) (52, 68) (54, 63) (60, 74) (65, 73) (67, 77) (79, 86) (80, 93) (81, 100) (84, 95) (87, 94) (88, 96) (89, 90) (91, 98) (101, 169) (103, 108) (104, 219) (105, 209) (107, 155) (109, 162) (110, 200) (111, 177) (112, 174) (113, 273) (114, 233) (115, 218) (116, 141) (117, 275) (118, 134) (119, 183) (120, 198) (121, 216) (122, 267) (123, 207) (124, 147) (125, 189) (126, 264) (127, 271) (128, 244) (129, 269) (130, 274) (131, 226) (132, 248) (133, 243) (135, 276) (136, 165) (138, 143) (139, 259) (140, 230) (142, 168) (144, 180) (145, 245) (148, 261) (150, 212) (151, 196) (152, 167) (153, 241) (156, 204) (157, 220) (158, 192) (159, 270) (160, 206) (161, 176) (163, 203) (164, 217) (166, 178) (170, 266) (172, 265) (173, 268) (175, 213) (181, 222) (182, 201) (184, 246) (185, 237) (186, 227) (187, 242) (190, 250) (191, 229) (193, 239) (194, 238) (195, 247) (197, 254) (199, 215) (202, 235) (208, 240) (214, 252) (221, 255) (223, 260) (225, 228) (231, 249) (232, 236) (234, 262) (256, 258) (263, 272) , (2, 91, 131) (3, 135, 183) (4, 108, 31) (5, 28, 107) (6, 69, 114) (7, 101, 29) (8, 115, 180) (9, 188, 92) (10, 164, 116) (11, 113, 206) (12, 190, 93) (13, 105, 72) (14, 65, 112) (15, 110, 203) (16, 111, 162) (17, 211, 106) (18, 213, 104) (19, 102, 57) (20, 177, 109) (21, 94, 124) (22, 24, 103) (25, 220, 152) (26, 45, 169) (27, 40, 155) (30, 176, 78) (32, 64, 209) (33, 41, 268) (34, 39, 233) (35, 76, 161) (36, 218, 144) (37, 70, 179) (38, 217, 141) (42, 200, 163) (43, 273, 160) (44, 59, 173) (46, 157, 167) (47, 247, 166) (48, 171, 154) (49, 73, 174) (50, 195, 178) (51, 253, 137) (52, 258, 90) (53, 98, 226) (54, 130, 275) (55, 251, 85) (56, 250, 80) (58, 175, 219) (60, 223, 165) (61, 87, 147) (62, 97, 224) (63, 274, 117) (66, 82, 146) (67, 133, 270) (68, 256, 89) (71, 276, 119) (74, 260, 136) (77, 243, 159) (79, 235, 194) (81, 207, 237) (83, 205, 257) (84, 196, 252) (86, 202, 238) (88, 245, 199) (95, 151, 214) (96, 145, 215) (100, 123, 185) (118, 153, 212) (120, 193, 269) (121, 271, 142) (122, 208, 248) (125, 236, 266) (126, 261, 143) (127, 168, 216) (128, 272, 259) (129, 198, 239) (132, 267, 240) (134, 241, 150) (138, 264, 148) (139, 244, 263) (140, 204, 242) (156, 187, 230) (158, 191, 265) (170, 189, 232) (172, 192, 229) (181, 228, 254) (182, 255, 234) (184, 227, 249) (186, 231, 246) (197, 222, 225) (201, 221, 262) , (2, 181, 186) (3, 117, 136) (4, 103, 37) (5, 101, 76) (6, 173, 105) (7, 35, 107) (8, 141, 109) (9, 129, 120) (10, 36, 111) (11, 113, 206) (12, 187, 189) (13, 114, 59) (14, 102, 174) (15, 203, 110) (16, 116, 144) (17, 211, 106) (18, 104, 213) (19, 73, 112) (20, 115, 38) (21, 87, 82) (22, 70, 108) (24, 179, 31) (25, 154, 167) (26, 27, 78) (28, 29, 161) (30, 45, 40) (32, 268, 233) (33, 34, 64) (39, 209, 41) (43, 273, 160) (44, 72, 69) (46, 220, 48) (47, 166, 247) (49, 65, 57) (51, 67, 243) (52, 263, 191) (53, 184, 225) (54, 71, 223) (55, 122, 240) (56, 266, 140) (60, 275, 119) (61, 66, 124) (62, 262, 182) (63, 74, 135) (68, 192, 259) (77, 137, 270) (79, 100, 88) (80, 236, 242) (81, 238, 145) (83, 151, 252) (84, 205, 214) (85, 248, 267) (86, 215, 207) (89, 172, 272) (90, 244, 158) (91, 228, 231) (92, 239, 269) (93, 156, 170) (94, 147, 146) (95, 196, 257) (96, 237, 202) (97, 201, 255) (98, 227, 197) (118, 142, 261) (121, 143, 153) (123, 245, 235) (125, 204, 250) (126, 212, 271) (127, 241, 148) (128, 256, 229) (130, 276, 165) (131, 254, 246) (132, 251, 208) (133, 159, 253) (134, 264, 216) (138, 168, 150) (139, 265, 258) (152, 171, 157) (155, 176, 169) (162, 164, 218) (177, 180, 217) (183, 274, 260) (185, 199, 194) (188, 198, 193) (190, 230, 232) (221, 234, 224) (222, 226, 249) , (1, 2, 33, 64, 169, 75, 150, 80, 242, 272, 23, 74, 185, 194, 131, 210, 16, 114, 13, 241, 99, 26, 189, 187, 136, 149, 259, 145, 238, 162) (3, 141, 7, 192, 24, 164, 5, 244, 186, 120, 155, 52, 98, 168, 182, 89, 222, 118, 63, 147, 254, 143, 223, 144, 77, 148, 276, 177, 78, 152) (4, 170, 134, 209, 70, 198, 96, 260, 140, 92, 201, 268, 111, 79, 224, 124, 250, 45, 105, 82, 67, 123, 128, 230, 253, 167, 69, 91, 86, 48) (6, 221, 161, 51, 204, 232, 21, 265, 154, 235, 215, 133, 184, 37, 72, 41, 46, 271, 188, 156, 56, 108, 275, 97, 202, 100, 239, 115, 66, 32) (8, 270, 179, 180, 11, 76, 157, 9, 35, 273, 191, 31, 62, 158, 206, 249, 129, 146, 227, 43, 121, 262, 137, 142, 113, 130, 94, 171, 54, 160) (10, 61, 163, 234, 30, 40, 243, 178, 87, 229, 256, 25, 42, 159, 231, 228, 103, 50, 220, 216, 264, 193, 200, 22, 274, 183, 255, 195, 269, 36) (12, 217, 68, 117, 101, 81, 107, 181, 218, 263, 34, 90, 138, 176, 226, 236, 197, 135, 172, 153, 199, 261, 116, 246, 165, 59, 71, 27, 127, 109) (14, 17, 196, 248, 83, 240, 106, 65, 151, 19, 84, 211, 132, 73, 85) (15, 125, 20, 258, 173, 47, 245, 29, 225, 190, 110, 44, 139, 126, 207, 247, 93, 53, 119, 39, 203, 237, 212, 38, 266, 166, 233, 60, 28, 88) (18, 213, 175, 58, 104) (49, 267, 205, 257, 122, 208, 252, 102, 57, 214, 95, 112, 55, 251, 174).

The representatives of conjugacy classes of $G^{s_{29}}$ are:

() , (1, 23, 99) (2, 74, 26) (3, 155, 254) (4, 201, 67) (5, 222, 276) (6, 215, 56) (7, 98, 223) (8, 191, 121) (9, 146, 171) (10, 256, 264) (11, 206, 113) (12, 34, 199) (13, 238, 242) (14, 84, 240) (15, 110, 203) (16, 259, 150) (17, 211, 106) (19, 83, 85) (20, 139, 212) (21, 46, 239) (22, 234, 159) (24, 182, 77) (25, 193, 61) (27, 181, 135) (28, 225, 119) (29, 53, 60) (30, 231, 274) (31, 262, 270) (32, 235, 156) (33, 185, 189) (35, 227, 54) (36, 229, 216) (37, 97, 51) (38, 258, 126) (39, 88, 190) (40, 228, 183) (41, 100, 232) (42, 200, 163) (43, 160, 273) (44, 237, 125) (45, 91, 260) (47, 247, 166) (48, 92, 82) (49, 95, 208) (50, 195, 178) (52, 143, 141) (55, 102, 205) (57, 257, 251) (59, 81, 236) (62, 137, 179) (63, 78, 186) (64, 194, 187) (65, 196, 132) (66, 154, 188) (68, 138, 116) (69, 96, 250) (70, 224, 253) (71, 107, 197) (72, 202, 204) (73, 151, 248) (75, 210, 149) (76, 249, 130) (79, 230, 209) (80, 114, 145) (86, 140, 105) (87, 220, 269) (89, 148, 164) ([...]) , (1, 99, 23) (2, 26, 74) (3, 254, 155) (4, 67, 201) (5, 276, 222) (6, 56, 215) (7, 223, 98) (8, 121, 191) (9, 171, 146) (10, 264, 256) (11, 113, 206) (12, 199, 34) (13, 242, 238) (14, 240, 84) (15, 203, 110) (16, 150, 259) (17, 106, 211) (19, 85, 83) (20, 212, 139) (21, 239, 46) (22, 159, 234) (24, 77, 182) (25, 61, 193) (27, 135, 181) (28, 119, 225) (29, 60, 53) (30, 274, 231) (31, 270, 262) (32, 156, 235) (33, 189, 185) (35, 54, 227) (36, 216, 229) (37, 51, 97) (38, 126, 258) (39, 190, 88) (40, 183, 228) (41, 232, 100) (42, 163, 200) (43, 273, 160) (44, 125, 237) (45, 260, 91) (47, 166, 247) (48, 82, 92) (49, 208, 95) (50, 178, 195) (52, 141, 143) (55, 205, 102) (57, 251, 257) (59, 236, 81) (62, 179, 137) (63, 186, 78) (64, 187, 194) (65, 132, 196) (66, 188, 154) (68, 116, 138) (69, 250, 96) (70, 253, 224) (71, 197, 107) (72, 204, 202) (73, 248, 151) (75, 149, 210) (76, 130, 249) (79, 209, 230) (80, 145, 114) (86, 105, 140) (87, 269, 220) (89, 164, 148) ([...]) , (1, 75, 23, 210, 99, 149) (2, 150, 74, 16, 26, 259) (3, 164, 155, 89, 254, 148) (4, 198, 201, 124, 67, 167) (5, 52, 222, 143, 276, 141) (6, 232, 215, 41, 56, 100) (7, 244, 98, 118, 223, 177) (8, 76, 191, 249, 121, 130) (9, 62, 146, 137, 171, 179) (10, 40, 256, 228, 264, 183) (11, 273, 206, 43, 113, 160) (12, 81, 34, 236, 199, 59) (13, 187, 238, 64, 242, 194) (14, 240, 84) (15, 47, 110, 247, 203, 166) (17, 106, 211) (19, 85, 83) (20, 29, 139, 53, 212, 60) (21, 133, 46, 108, 239, 221) (22, 269, 234, 87, 159, 220) (24, 120, 182, 147, 77, 152) (25, 103, 193, 255, 61, 243) (27, 68, 181, 138, 135, 116) (28, 258, 225, 126, 119, 38) (30, 229, 231, 216, 274, 36) (31, 129, 262, 94, 270, 157) (32, 204, 235, 72, 156, 202) (33, 80, 185, 114, 189, 145) (35, 158, 227, 142, 54, 180) (37, 188, 97, 66, 51, 154) (39, 266, 88, 173, 190, 207) (42, 50, 200, 195, 163, 178) (44, 93, 237, 233, 125, 245) (45, 128, 91, 134, 260, 111) (48, 70, 92, 224, 82, 253) ([...]) , (1, 210) (2, 16) (3, 89) (4, 124) (5, 143) (6, 41) (7, 118) (8, 249) (9, 137) (10, 228) (11, 43) (12, 236) (13, 64) (15, 247) (20, 53) (21, 108) (22, 87) (23, 149) (24, 147) (25, 255) (26, 150) (27, 138) (28, 126) (29, 212) (30, 216) (31, 94) (32, 72) (33, 114) (34, 59) (35, 142) (36, 231) (37, 66) (38, 225) (39, 173) (40, 264) (42, 195) (44, 233) (45, 134) (46, 221) (47, 203) (48, 224) (50, 163) (51, 188) (52, 276) (54, 158) (56, 232) (60, 139) (61, 103) (62, 171) (63, 192) (67, 198) (68, 135) (69, 268) (70, 82) (71, 90) (74, 259) (75, 99) (76, 121) (77, 120) (78, 168) (79, 86) (80, 189) (81, 199) (88, 207) (91, 111) (92, 253) (93, 125) (96, 123) (97, 154) (98, 177) (100, 215) (101, 153) (105, 209) (107, 261) (109, 226) (110, 166) (113, 273) (115, 184) (116, 181) (117, 172) (119, 258) (127, 176) (128, 260) (129, 270) (130, 191) (131, 162) (133, 239) (136, 272) (140, 230) (141, 222) (144, 186) (145, 185) (146, 179) (148, 155) (152, 182) (156, 204) (157, 262) (159, 269) (160, 206) (161, 271) ([...]) , (1, 149, 99, 210, 23, 75) (2, 259, 26, 16, 74, 150) (3, 148, 254, 89, 155, 164) (4, 167, 67, 124, 201, 198) (5, 141, 276, 143, 222, 52) (6, 100, 56, 41, 215, 232) (7, 177, 223, 118, 98, 244) (8, 130, 121, 249, 191, 76) (9, 179, 171, 137, 146, 62) (10, 183, 264, 228, 256, 40) (11, 160, 113, 43, 206, 273) (12, 59, 199, 236, 34, 81) (13, 194, 242, 64, 238, 187) (14, 84, 240) (15, 166, 203, 247, 110, 47) (17, 211, 106) (19, 83, 85) (20, 60, 212, 53, 139, 29) (21, 221, 239, 108, 46, 133) (22, 220, 159, 87, 234, 269) (24, 152, 77, 147, 182, 120) (25, 243, 61, 255, 193, 103) (27, 116, 135, 138, 181, 68) (28, 38, 119, 126, 225, 258) (30, 36, 274, 216, 231, 229) (31, 157, 270, 94, 262, 129) (32, 202, 156, 72, 235, 204) (33, 145, 189, 114, 185, 80) (35, 180, 54, 142, 227, 158) (37, 154, 51, 66, 97, 188) (39, 207, 190, 173, 88, 266) (42, 178, 163, 195, 200, 50) (44, 245, 125, 233, 237, 93) (45, 111, 260, 134, 91, 128) (48, 253, 82, 224, 92, 70) ([...]) , (2, 254, 231) (3, 274, 74) (4, 24, 70) (5, 7, 161) (6, 59, 72) (8, 217, 20) (9, 239, 193) (10, 144, 162) (12, 156, 232) (13, 69, 173) (14, 19, 49) (15, 110, 203) (16, 164, 36) (18, 213, 104) (21, 61, 146) (22, 37, 31) (25, 171, 46) (26, 155, 30) (27,

176, 45) (28, 101, 35) (29, 76, 107) (32, 41, 34) (33, 233, 209) (38, 109, 180) (39, 64, 268) (40, 78, 169) (42, 163, 200) (44, 105, 114) (47, 247, 166) (48, 167, 152) (50, 178, 195) (51, 270, 159) (52, 244, 265) (53, 249, 197) (54, 119, 165) (55, 248, 132) (56, 236, 204) (57, 174, 112) (58, 219, 175) (60, 130, 71) (62, 221, 255) (63, 136, 183) (65, 102, 73) (66, 94, 87) (67, 77, 253) (68, 172, 128) (79, 185, 245) (80, 125, 140) (81, 202, 215) (82, 124, 147) (83, 95, 84) (85, 208, 240) (86, 145, 237) (88, 194, 123) (89, 229, 259) (90, 139, 191) (91, 181, 246) (92, 198, 120) (93, 230, 189) (96, 207, 238) (97, 262, 234) (98, 184, 222) (100, 199, 235) (103, 179, 108) (111, 116, 218) (115, 141, 177) (117, 260, 135) ([...]) , (1, 23, 99) (2, 3, 30) (4, 182, 253) (5, 98, 275) (6, 81, 204) (7, 184, 276) (8, 90, 212) (9, 21, 25) (10, 192, 241) (11, 206, 113) (12, 32, 100) (13, 96, 266) (14, 83, 208) (15, 203, 110) (16, 89, 216) (17, 211, 106) (18, 213, 104) (19, 95, 240) (20, 191, 261) (22, 97, 270) (24, 224, 67) (26, 254, 274) (27, 246, 260) (28, 226, 54) (29, 249, 71) (31, 234, 51) (33, 245, 230) (34, 235, 232) (35, 225, 165) (36, 259, 148) (37, 262, 159) (38, 263, 142) (39, 194, 170) (40, 186, 136) (41, 199, 156) (43, 160, 273) (44, 86, 80) (45, 181, 117) (46, 193, 146) (47, 166, 247) (48, 198, 147) (49, 84, 85) (52, 118, 115) (53, 130, 107) (55, 73, 196) (56, 59, 202) (57, 214, 267) (58, 219, 175) (60, 76, 197) (61, 171, 239) (62, 133, 103) (63, 169, 228) (64, 123, 190) (65, 205, 248) (66, 157, 269) (68, 127, 111) (69, 207, 242) (70, 201, 77) (72, 215, 236) (74, 155, 231) (75, 210, 149) (78, 131, 183) (79, 189, 233) (82, 167, 120) (87, 154, 129) (88, 187, 268) (91, 135, 176) ([...]) , (1, 99, 23) (2, 155, 274) (3, 231, 26) (4, 77, 224) (5, 223, 184) (6, 236, 202) (7, 275, 222) (8, 261, 139) (9, 46, 61) (10, 168, 272) (11, 113, 206) (12, 235, 41) (13, 250, 207) (14, 85, 95) (16, 148, 229) (17, 106, 211) (18, 213, 104) (19, 208, 84) (20, 121, 90) (21, 193, 171) (22, 51, 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193, 155, 81) (30, 88, 107, 152, 216, 207, 261, 182) (31, 180, 79, 260, 94, 227, 86, 128) (33, 241, 188, 115, 114, 169, 51, 184) (35, 105, 111, 270, 142, 209, 91, 129) (36, 266, 217, 77, 231, 190, 197, 120) (37, 275, 185, 162, 66, 265, 145, 131) (42, 125, 110, 234, 195, 93, 166, 220) ([...]) , (1, 74, 273, 249, 149, 150, 11, 191, 99, 2, 160, 76, 210, 259, 113, 8, 23, 26, 43, 130, 75, 16, 206, 121) (3, 81, 53, 255, 148, 12, 139, 193, 254, 59, 29, 103, 89, 199, 20, 25, 155, 236, 60, 243, 164, 34, 212, 61) (4, 202, 187, 221, 167, 156, 13, 239, 67, 72, 194, 108, 124, 235, 242, 46, 201, 204, 64, 133, 198, 32, 238, 21) (5, 228, 144, 98, 141, 256, 63, 244, 276, 40, 168, 7, 143, 10, 186, 177, 222, 183, 192, 223, 52, 264, 78, 118) (6, 224, 179, 268, 100, 92, 171, 96, 56, 70, 137, 170, 41, 48, 146, 69, 215, 253, 62, 123, 232, 82, 9, 250) (14, 102, 112, 248, 84, 205, 252, 73, 240, 55, 267, 151) (15, 234, 178, 245, 166, 269, 163, 125, 203, 22, 195, 233, 247, 220, 200, 237, 110, 159, 50, 93, 47, 87, 42, 44) (17, 196, 106, 65, 211, 132) (18, 58, 213, 219) (19, 95, 174, 257, 83, 208, 214, 251, 85, 49, 122, 57) (24, 30, 190, 71, 152, 36, 173, 261, 77, 274, 88, 197, 147, 216, 266, 90, 182, 231, 39, 107, 120, 229, 207, 217) ([...]) , (1, 26, 160, 249, 75, 259, 11, 121, 23, 2, 273, 130, 210, 150, 206, 8, 99, 74, 43, 76, 149, 16, 113, 191) (3, 236, 29, 255, 164, 199, 139, 61, 155, 59, 53, 243, 89, 12, 212, 25, 254, 81, 60, 103, 148, 34, 20, 193) (4, 204, 194, 221, 198, 235, 13, 21, 201, 72, 187, 133, 124, 156, 238, 46, 67, 202, 64, 108, 167, 32, 242, 239) (5, 183, 168, 98, 52, 10, 63, 118, 222, 40, 144, 223, 143, 256, 78, 177, 276, 228, 192, 7, 141, 264, 186, 244) (6, 253, 137, 268, 232, 48, 171, 250, 215, 70, 179, 123, 41, 92, 9, 69, 56, 224, 62, 170, 100, 82, 146, 96) (14, 205, 267, 248, 240, 102, 252, 151, 84, 55, 112, 73) (15, 159, 195, 245, 47, 220, 163, 44, 110, 22, 178, 93, 247, 269, 42, 237, 203, 234, 50, 233, 166, 87, 200, 125) (17, 132, 211, 65, 106, 196) (18, 58, 213, 219) (19, 208, 122, 257, 85, 95, 214, 57, 83, 49, 174, 251) (24, 231, 88, 71, 120, 216, 173, 217, 182, 274, 190, 107, 147, 36, 207, 90, 77, 30, 39, 197, 152, 229, 266, 261) ([...]) , (1, 2, 120, 146, 254, 210, 16, 77, 179, 164) (3, 149, 259, 24, 62, 89, 23, 74, 147, 171) (4, 72, 139, 173, 221, 124, 32, 60, 39, 46) (5, 157, 54, 144, 246, 143, 262, 158, 186, 218) (6, 82, 229, 25, 69, 41, 70, 274, 255, 268) (7, 181, 33, 169, 226, 118, 116, 114, 241, 109) (8, 12, 187, 217, 11, 249, 236, 242, 197, 43) (9, 155, 75, 150, 182, 137, 148, 99, 26, 152) (10, 79, 15, 44, 91, 228, 86, 247, 233, 111) (13, 71, 160, 191, 34, 64, 90, 206, 130, 59) (14, 49, 214, 257, 248) (17, 65, 267, 83, 102) (18, 175, 58, 104, 213) (19, 55, 106, 132, 252) (20, 266, 108, 198, 156, 53, 190, 21, 67, 204) (22, 275, 28, 51, 178, 87, 265, 126, 188, 200) (27, 189, 136, 101, 244, 138, 80, 272, 153, 223) (29, 88, 239, 201, 202, 212, 207, 133, 167, 235) (30, 243, 123, 215, 48, 216, 193, 96, 100, 224) (31, 180, 78, 127, 276, 94, 227, 168, 176, 52) (35, 192, 117, 141, 270, 142, 63, 172, 222, 129) (36, 61, 250, 232, 253, 231, 103, 170, 56, 92) ([...]) , (1, 74, 152, 146, 3, 75, 16, 24, 137, 164, 23, 26, 120, 171, 155, 210, 259, 182, 179, 89, 99, 2, 147, 9, 254, 149, 150, 77, 62, 148) (4, 202, 20, 173, 133, 198, 32, 29, 190, 46, 201, 204, 139, 207, 108, 124, 235, 53, 39, 239, 67, 72, 212, 266, 221, 167, 156, 60, 88, 21) (5, 129, 227, 144, 117, 52, 262, 142, 78, 218, 222, 94, 54, 192, 176, 143, 270, 180, 186, 172, 276, 157, 35, 168, 246, 141, 31, 158, 63, 127) (6, 48, 36, 25, 96, 232, 70, 30, 103, 268, 215, 92, 229, 193, 250, 41, 224, 231, 255, 123, 56, 82, 216, 61, 69, 100, 253, 274, 243, 170) (7, 135, 189, 169, 165, 244, 116, 145, 272, 109, 98, 27, 33, 131, 101, 118, 68, 80, 241, 263, 223, 181, 185, 136, 226, 177, 138, 114, 162, 153) (8, 34, 194, 217, 206, 76, 236, 13, 107, 43, 191, 199, 187, 90, 113, 249, 59, 238, 197, 160, 121, 12, 64, 261, 11, 130, 81, 242, 71, 273) (10, 230, 203, 44, 260, 40, 86, 166, 93, 111, 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266, 133, 124, 156, 29, 39, 21, 201, 72, 20, 207, 221, 198, 235, 60, 190, 239) (5, 94, 35, 144, 176, 141, 262, 180, 63, 218, 276, 129, 54, 168, 117, 143, 31, 142, 186, 127, 222, 157, 227, 192, 246, 52, 270, 158, 78, 172) (6, 92, 216, 25, 250, 100, 70, 231, 243, 268, 56, 48, 229, 61, 96, 41, 253, 30, 255, 170, 215, 82, 36, 193, 69, 232, 224, 274, 103, 123) (7, 27, 185, 169, 101, 177, 116, 80, 162, 109, 223, 135, 33, 136, 165, 118, 138, 145, 241, 153, 98, 181, 189, 131, 226, 244, 68, 114, 272, 263) (8, 199, 64, 217, 113, 130, 236, 238, 71, 43, 121, 34, 187, 261, 206, 249, 81, 13, 197, 273, 191, 12, 194, 90, 11, 76, 59, 242, 107, 160) (10, 209, 110, 44, 45, 183, 86, 47, 245, 111, 264, 230, 15, 125, 260, 228, 105, 166, 233, 134, 256, 79, 203, 237, 91, 40, 140, 247, 93, 128) ([...]) , (1, 150, 147, 179, 155, 23, 16, 152, 62, 254, 99, 259, 120, 137, 3) (2, 182, 171, 164, 75, 74, 77, 9, 89, 210, 26, 24, 146, 148, 149) (4, 156, 212, 39, 108, 201, 32, 20, 88, 221, 67, 235, 139, 190, 133) (5, 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34) (14, 49, 214, 257, 248) (17, 65, 267, 83, 102) (18, 175, 58, 104, 213) (19, 55, 106, 132, 252) (20, 190, 108, 67, 156) (21, 198, 204, 53, 266) (22, 265, 28, 188, 178) (24, 171, 89, 149, 74) (25, 268, 41, 82, 274) (27, 80, 136, 153, 244) (29, 207, 239, 167, 202) (30, 193, 123, 100, 48) (31, 227, 78, 176, 276) (35, 63, 117, 222, 270) (36, 103, 250, 56, 253) (37, 163, 220, 161, 38) (40, 209, 47, 125, 134) (42, 269, 184, 258, 97) (44, 111, 228, 79, 247) (45, 264, 105, 203, 93) (46, 124, 72, 60, 173) (50, 234, 271, 225, 66) (51, 200, 87, 275, 126) (52, 94, 180, 168, 127) (57, 151, 240, 208, 174) (59, 64, 71, 206, 191) (61, 170, 232, 92, 231) (68, 185, 162, 165, 98) ([...]) , (1, 259, 152, 179, 3, 99, 16, 147, 137, 254, 23, 150, 120, 62, 155) (2, 24, 9, 164, 149, 26, 77, 171, 148, 210, 74, 182, 146, 89, 75) (4, 235, 20, 39, 133, 67, 32, 212, 190, 221, 201, 156, 139, 88, 108) (5, 270, 227, 186, 117, 276, 262, 35, 78, 246, 222, 31, 54, 63, 176) (6, 224, 36, 255, 96, 56, 70, 216, 103, 69, 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130, 125) (9, 256, 62, 228, 146, 264, 137, 183, 171, 10, 179, 40) (12, 92, 81, 224, 34, 82, 236, 253, 199, 48, 59, 70) (13, 225, 187, 126, 238, 119, 64, 38, 242, 28, 194, 258) (14, 84, 240) (17, 174, 106, 122, 211, 214) (19, 83, 85) (20, 168, 29, 63, 139, 144, 53, 78, 212, 192, 60, 186) (21, 262, 133, 94, 46, 270, 108, 157, 239, 31, 221, 129) (24, 204, 120, 235, 182, 72, 147, 156, 77, 202, 152, 32) (25, 180, 103, 35, 193, 158, 255, 227, 61, 142, 243, 54) (27, 134, 68, 260, 181, 111, 138, 45, 135, 128, 116, 91) (30, 165, 229, 109, 231, 101, 216, 263, 274, 226, 36, 153) ([...]) , (1, 124, 149, 201, 99, 198, 210, 4, 23, 167, 75, 67) (2, 159, 259, 87, 26, 234, 16, 269, 74, 22, 150, 220) (3, 209, 148, 86, 254, 230, 89, 105, 155, 79, 164, 140) (5, 161, 141, 115, 276, 275, 143, 271, 222, 184, 52, 265) (6, 113, 100, 43, 56, 206, 41, 273, 215, 11, 232, 160) (7, 47, 177, 15, 223, 166, 118, 203, 98, 247, 244, 110) (8, 93, 130, 44, 121, 245, 249, 125, 191, 233, 76, 237) (9, 264, 179, 228, 171, 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157) (24, 72, 152, 235, 77, 204, 147, 32, 182, 202, 120, 156) (25, 158, 243, 35, 61, 180, 255, 54, 193, 142, 103, 227) (27, 111, 116, 260, 135, 134, 138, 91, 181, 128, 68, 45) (30, 101, 36, 109, 274, 165, 216, 153, 231, 226, 229, 263) ([...]) , (1, 167, 210, 201) (2, 22, 16, 87) (3, 79, 89, 86) (4, 99, 124, 75) (5, 184, 143, 115) (6, 11, 41, 43) (7, 247, 118, 15) (8, 233, 249, 44) (9, 10, 137, 228) (12, 48, 236, 224) (13, 28, 64, 126) (17, 122) (20, 192, 53, 63) (21, 31, 108, 94) (23, 198, 149, 67) (24, 202, 147, 235) (25, 142, 255, 35) (26, 159, 150, 269) (27, 128, 138, 260) (29, 186, 212, 144) (30, 226, 216, 109) (32, 77, 72, 120) (33, 250, 114, 170) (34, 92, 59, 253) (36, 263, 231, 165) (37, 217, 66, 197) (38, 238, 225, 194) (39, 169, 173, 241) (40, 171, 264, 62) (42, 117, 195, 172) (45, 181, 134, 116) (46, 262, 221, 157) (47, 244, 203, 223) (49, 248) (50, 218, 163, 246) (51, 261, 188, 107) (52, 271, 276, 161) (54, 61, 158, 103) (56, 113, 232, 273) (57, 112) (58, 104) (60, 78, 139, 168) (68, 91, 135, 111) (69, 145, 268, 185) (70, 199, 82, 81) (71, 97, 90, 154) (73, 95) (74, 234, 259, 220) (76, 125, 121, 93) (80, 123, 189, 96) (88, 131, 207, 162) (98, 166, 177, 110) (100, 160, 215, 206) ([...]) .

The character table of $G^{s_{29}}$:

	10										20									
$\chi_{29}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{29}^{(2)}$	1	1	1	1	1	1	1	1	1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1
$\chi_{29}^{(3)}$	1	A	/A	/A	1	A	1	A	/A	/A	1	A	-A	-/A	-1	-1	-A	-/A	-1	-A
$\chi_{29}^{(4)}$	1	/A	A	A	1	/A	1	/A	A	A	1	/A	-/A	-A	-1	-1	-/A	-A	-1	-/A
$\chi_{29}^{(5)}$	1	A	/A	/A	1	A	1	A	/A	/A	1	A	A	/A	1	1	A	/A	1	A
$\chi_{29}^{(6)}$	1	/A	A	A	1	/A	1	/A	A	A	1	/A	/A	A	1	1	/A	A	1	/A
$\chi_{29}^{(7)}$	4	4	4	-4	-4	-4	-2	-2	-2	2	2	2	.	.	.	.	.	.	.	.
$\chi_{29}^{(8)}$	4	4	4	-4	-4	-4	-2	-2	-2	2	2	2	.	.	.	.	.	.	.	.
$\chi_{29}^{(9)}$	4	4	4	-4	-4	-4	1	1	1	-1	-1	-1	I	I	I	-I	-I	-I	.	.
$\chi_{29}^{(10)}$	4	4	4	-4	-4	-4	1	1	1	-1	-1	-1	-I	-I	-I	I	I	I	.	.
$\chi_{29}^{(11)}$	4	B	/B	-/B	-4	-B	-2	H	/H	-/H	2	-H	.	.	.	.	.	.	.	.
$\chi_{29}^{(12)}$	4	B	/B	-/B	-4	-B	-2	H	/H	-/H	2	-H	.	.	.	.	.	.	.	.
$\chi_{29}^{(13)}$	4	/B	B	-B	-4	-/B	-2	/H	H	-H	2	-/H	.	.	.	.	.	.	.	.
$\chi_{29}^{(14)}$	4	/B	B	-B	-4	-/B	-2	/H	H	-H	2	-/H	.	.	.	.	.	.	.	.
$\chi_{29}^{(15)}$	4	B	/B	-/B	-4	-B	1	A	/A	-/A	-1	-A	J	-/J	-I	I	-J	/J	.	.
$\chi_{29}^{(16)}$	4	/B	B	-B	-4	-/B	1	/A	A	-A	-1	-/A	/J	-J	I	-I	-/J	J	.	.
$\chi_{29}^{(17)}$	4	B	/B	-/B	-4	-B	1	A	/A	-/A	-1	-A	-J	/J	I	-I	J	-/J	.	.
$\chi_{29}^{(18)}$	4	/B	B	-B	-4	-/B	1	/A	A	-A	-1	-/A	-/J	J	-I	I	/J	-J	.	.
$\chi_{29}^{(19)}$	5	5	5	5	5	5	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
$\chi_{29}^{(20)}$	5	5	5	5	5	5	-1	-1	-1	-1	-1	-1	1	1	1	1	1	1	1	1
$\chi_{29}^{(21)}$	5	5	5	5	5	5	2	2	2	2	2	2	.	.	.	.	.	.	-3	-3
$\chi_{29}^{(22)}$	5	5	5	5	5	5	2	2	2	2	2	2	.	.	.	.	.	.	3	3
$\chi_{29}^{(23)}$	5	C	/C	/C	5	C	-1	-A	-/A	-/A	-1	-A	-A	-/A	-1	-1	-A	-/A	-1	-A
$\chi_{29}^{(24)}$	5	/C	C	C	5	/C	-1	-/A	-A	-A	-1	-/A	-/A	-A	-1	-1	-/A	-A	-1	-/A
$\chi_{29}^{(25)}$	5	C	/C	/C	5	C	-1	-A	-/A	-/A	-1	-A	A	/A	1	1	A	/A	1	A
$\chi_{29}^{(26)}$	5	/C	C	C	5	/C	-1	-/A	-A	-A	-1	-/A	/A	A	1	1	/A	A	1	/A
$\chi_{29}^{(27)}$	5	C	/C	/C	5	C	2	-H	-/H	-/H	2	-H	.	.	.	.	.	.	-3	K
$\chi_{29}^{(28)}$	5	/C	C	C	5	/C	2	-/H	-H	-H	2	-/H	.	.	.	.	.	.	-3	/K
$\chi_{29}^{(29)}$	5	C	/C	/C	5	C	2	-H	-/H	-/H	2	-H	.	.	.	.	.	.	3	-K
$\chi_{29}^{(30)}$	5	/C	C	C	5	/C	2	-/H	-H	-H	2	-/H	.	.	.	.	.	.	3	-/K
$\chi_{29}^{(31)}$	9	9	9	9	9	9	.	.	.	.	.	.	.	.	.	.	.	.	-3	-3
$\chi_{29}^{(32)}$	9	9	9	9	9	9	.	.	.	.	.	.	.	.	.	.	.	.	3	3
$\chi_{29}^{(33)}$	9	D	/D	/D	9	D	.	.	.	.	.	.	.	.	.	.	.	.	-3	K
$\chi_{29}^{(34)}$	9	/D	D	D	9	/D	.	.	.	.	.	.	.	.	.	.	.	.	-3	/K
$\chi_{29}^{(35)}$	9	D	/D	/D	9	D	.	.	.	.	.	.	.	.	.	.	.	.	3	-K
$\chi_{29}^{(36)}$	9	/D	D	D	9	/D	.	.	.	.	.	.	.	.	.	.	.	.	3	-/K
$\chi_{29}^{(37)}$	10	10	10	10	10	10	1	1	1	1	1	1	-1	-1	-1	-1	-1	-1	2	2
$\chi_{29}^{(38)}$	10	10	10	10	10	10	1	1	1	1	1	1	1	1	1	1	1	1	-2	-2
$\chi_{29}^{(39)}$	10	E	/E	/E	10	E	1	A	/A	/A	1	A	-A	-/A	-1	-1	-A	-/A	2	-H
$\chi_{29}^{(40)}$	10	/E	E	E	10	/E	1	/A	A	A	1	/A	-/A	-A	-1	-1	-/A	-A	2	-/H
$\chi_{29}^{(41)}$	10	E	/E	/E	10	E	1	A	/A	/A	1	A	A	/A	1	1	A	/A	-2	H
$\chi_{29}^{(42)}$	10	/E	E	E	10	/E	1	/A	A	A	1	/A	/A	A	1	1	/A	A	-2	/H
$\chi_{29}^{(43)}$	16	16	16	16	16	16	-2	-2	-2	-2	-2	-2	.	.	.	.	.	.	.	.
$\chi_{29}^{(44)}$	16	16	16	-16	-16	-16	-2	-2	-2	2	2	2	.	.	.	.	.	.	.	.
$\chi_{29}^{(45)}$	16	F	/F	/F	16	F	-2	H	/H	/H	-2	H	.	.	.	.	.	.	.	.

	10										20									
$\chi_{29}^{(46)}$	16	/F	F	F	16	/F	-2	/H	H	H	-2	/H	.	.	.	.	.	.	.	.
$\chi_{29}^{(47)}$	16	F	/F	-/F	-16	-F	-2	H	/H	-/H	2	-H	.	.	.	.	.	.	.	.
$\chi_{29}^{(48)}$	16	/F	F	-F	-16	-/F	-2	/H	H	-H	2	-/H	.	.	.	.	.	.	.	.
$\chi_{29}^{(49)}$	20	20	20	-20	-20	-20	2	2	2	-2	-2	-2	.	.	.	.	.	.	.	.
$\chi_{29}^{(50)}$	20	G	/G	-/G	-20	-G	2	-H	-/H	/H	-2	H	.	.	.	.	.	.	.	.
$\chi_{29}^{(51)}$	20	/G	G	-G	-20	-/G	2	-/H	-H	H	-2	/H	.	.	.	.	.	.	.	.
	30										40									
$\chi_{29}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{29}^{(2)}$	1	1	1	1	1	1	1	1	1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1
$\chi_{29}^{(3)}$	/A	1	A	A	/A	1	1	A	/A	A	/A	1	-/A	-1	-A	-A	-/A	-1	-1	-A
$\chi_{29}^{(4)}$	A	1	/A	/A	A	1	1	/A	A	/A	A	1	-A	-1	-/A	-/A	-A	-1	-1	-/A
$\chi_{29}^{(5)}$	/A	1	A	A	/A	1	1	A	/A	A	/A	1	/A	1	A	A	/A	1	1	A
$\chi_{29}^{(6)}$	A	1	/A	/A	A	1	1	/A	A	/A	A	1	A	1	/A	/A	A	1	1	/A
$\chi_{29}^{(7)}$	1	1	1	-1	-1	-1	.	.	.	.	.	L	L	L	-L	-L	-L	.	.	.
$\chi_{29}^{(8)}$	1	1	1	-1	-1	-1	.	.	.	.	.	-L	-L	-L	L	L	L	.	.	.
$\chi_{29}^{(9)}$	-2	-2	-2	2	2	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{29}^{(10)}$	-2	-2	-2	2	2	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{29}^{(11)}$	/A	1	A	-A	-/A	-1	.	.	.	.	.	M	L	/M	-/M	-M	-L	.	.	.
$\chi_{29}^{(12)}$	/A	1	A	-A	-/A	-1	.	.	.	.	.	-M	-L	-/M	/M	M	L	.	.	.
$\chi_{29}^{(13)}$	A	1	/A	-/A	-A	-1	.	.	.	.	.	-/M	-L	-M	M	/M	L	.	.	.
$\chi_{29}^{(14)}$	A	1	/A	-/A	-A	-1	.	.	.	.	.	/M	L	M	-M	-/M	-L	.	.	.
$\chi_{29}^{(15)}$	/H	-2	H	-H	-/H	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{29}^{(16)}$	H	-2	/H	-/H	-H	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{29}^{(17)}$	/H	-2	H	-H	-/H	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{29}^{(18)}$	H	-2	/H	-/H	-H	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{29}^{(19)}$	2	2	2	2	2	2	1	1	1	-1	-1	-1	.	.	.	.	.	.	1	1
$\chi_{29}^{(20)}$	2	2	2	2	2	2	1	1	1	-1	-1	-1	.	.	.	.	.	.	-1	-1
$\chi_{29}^{(21)}$	-1	-1	-1	-1	-1	-1	1	1	1	-1	-1	-1	1	1	1	1	1	1	-1	-1
$\chi_{29}^{(22)}$	-1	-1	-1	-1	-1	-1	1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	1
$\chi_{29}^{(23)}$	-/H	2	-H	-H	-/H	2	1	A	/A	-A	-/A	-1	.	.	.	.	.	.	1	A
$\chi_{29}^{(24)}$	-H	2	-/H	-/H	-H	2	1	/A	A	-/A	-A	-1	.	.	.	.	.	.	1	/A
$\chi_{29}^{(25)}$	-/H	2	-H	-H	-/H	2	1	A	/A	-A	-/A	-1	.	.	.	.	.	.	-1	-A
$\chi_{29}^{(26)}$	-H	2	-/H	-/H	-H	2	1	/A	A	-/A	-A	-1	.	.	.	.	.	.	-1	-/A
$\chi_{29}^{(27)}$	-/A	-1	-A	-A	-/A	-1	1	A	/A	-A	-/A	-1	/A	1	A	A	/A	1	-1	-A
$\chi_{29}^{(28)}$	-A	-1	-/A	-/A	-A	-1	1	/A	A	-/A	-A	-1	A	1	/A	/A	A	1	-1	-/A
$\chi_{29}^{(29)}$	-/A	-1	-A	-A	-/A	-1	1	A	/A	-A	-/A	-1	-/A	-1	-A	-A	-/A	-1	1	A
$\chi_{29}^{(30)}$	-A	-1	-/A	-/A	-A	-1	1	/A	A	-/A	-A	-1	-A	-1	-/A	-/A	-A	-1	1	/A
$\chi_{29}^{(31)}$	.	.	.	.	.	.	1	1	1	1	1	1	.	.	.	.	.	.	1	1
$\chi_{29}^{(32)}$	.	.	.	.	.	.	1	1	1	1	1	1	.	.	.	.	.	.	-1	-1
$\chi_{29}^{(33)}$	.	.	.	.	.	.	1	A	/A	A	/A	1	.	.	.	.	.	.	1	A
$\chi_{29}^{(34)}$	.	.	.	.	.	.	1	/A	A	/A	A	1	.	.	.	.	.	.	1	/A
$\chi_{29}^{(35)}$	.	.	.	.	.	.	1	A	/A	A	/A	1	.	.	.	.	.	.	-1	-A

	30										40									
$\chi_{29}^{(36)}$	.	.	.	.	.	.	1	/A	A	/A	A	1	.	.	.	.	.	.	-1	-/A
$\chi_{29}^{(37)}$	1	1	1	1	1	1	-2	-2	-2	.	.	.	1	1	1	1	1	1	.	.
$\chi_{29}^{(38)}$	1	1	1	1	1	1	-2	-2	-2	.	.	.	-1	-1	-1	-1	-1	-1	.	.
$\chi_{29}^{(39)}$	/A	1	A	A	/A	1	-2	H	/H	.	.	.	/A	1	A	A	/A	1	.	.
$\chi_{29}^{(40)}$	A	1	/A	/A	A	1	-2	/H	H	.	.	.	A	1	/A	/A	A	1	.	.
$\chi_{29}^{(41)}$	/A	1	A	A	/A	1	-2	H	/H	.	.	.	-/A	-1	-A	-A	-/A	-1	.	.
$\chi_{29}^{(42)}$	A	1	/A	/A	A	1	-2	/H	H	.	.	.	-A	-1	-/A	-/A	-A	-1	.	.
$\chi_{29}^{(43)}$	-2	-2	-2	-2	-2	-2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{29}^{(44)}$	-2	-2	-2	2	2	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{29}^{(45)}$	/H	-2	H	H	/H	-2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{29}^{(46)}$	H	-2	/H	/H	H	-2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{29}^{(47)}$	/H	-2	H	-H	-/H	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{29}^{(48)}$	H	-2	/H	-/H	-H	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{29}^{(49)}$	2	2	2	-2	-2	-2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{29}^{(50)}$	-/H	2	-H	H	/H	-2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$\chi_{29}^{(51)}$	-H	2	-/H	/H	H	-2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	50																			
$\chi_{29}^{(1)}$	1	1	1	1	1	1	1	1	1	1										
$\chi_{29}^{(2)}$	-1	1	1	1	1	1	1	-1	-1	-1										
$\chi_{29}^{(3)}$	-/A	1	A	/A	/A	1	A	-A	-/A	-1										
$\chi_{29}^{(4)}$	-A	1	/A	A	A	1	/A	-/A	-A	-1										
$\chi_{29}^{(5)}$	/A	1	A	/A	/A	1	A	A	/A	1										
$\chi_{29}^{(6)}$	A	1	/A	A	A	1	/A	/A	A	1										
$\chi_{29}^{(7)}$	.	1	1	1	-1	-1	-1	.	.	.										
$\chi_{29}^{(8)}$	.	1	1	1	-1	-1	-1	.	.	.										
$\chi_{29}^{(9)}$	.	1	1	1	-1	-1	-1	.	.	.										
$\chi_{29}^{(10)}$	.	1	1	1	-1	-1	-1	.	.	.										
$\chi_{29}^{(11)}$	.	1	A	/A	-/A	-1	-A	.	.	.										
$\chi_{29}^{(12)}$	.	1	A	/A	-/A	-1	-A	.	.	.										
$\chi_{29}^{(13)}$	.	1	/A	A	-A	-1	-/A	.	.	.										
$\chi_{29}^{(14)}$	.	1	/A	A	-A	-1	-/A	.	.	.										
$\chi_{29}^{(15)}$	.	1	A	/A	-/A	-1	-A	.	.	.										
$\chi_{29}^{(16)}$	.	1	/A	A	-A	-1	-/A	.	.	.										
$\chi_{29}^{(17)}$	.	1	A	/A	-/A	-1	-A	.	.	.										
$\chi_{29}^{(18)}$	.	1	/A	A	-A	-1	-/A	.	.	.										
$\chi_{29}^{(19)}$	1	.	.	.	.	.	.	3	3	3										
$\chi_{29}^{(20)}$	-1	.	.	.	.	.	.	-3	-3	-3										
$\chi_{29}^{(21)}$	-1	.	.	.	.	.	.	1	1	1										
$\chi_{29}^{(22)}$	1	.	.	.	.	.	.	-1	-1	-1										
$\chi_{29}^{(23)}$	/A	.	.	.	.	.	.	-K	-/K	3										
$\chi_{29}^{(24)}$	A	.	.	.	.	.	.	-/K	-K	3										
$\chi_{29}^{(25)}$	-/A	.	.	.	.	.	.	K	/K	-3										

	50									
$\chi_{29}^{(26)}$	-A	.	.	.	.	.	.	/K	K	-3
$\chi_{29}^{(27)}$	-/A	.	.	.	.	.	.	A	/A	1
$\chi_{29}^{(28)}$	-A	.	.	.	.	.	.	/A	A	1
$\chi_{29}^{(29)}$	/A	.	.	.	.	.	.	-A	-/A	-1
$\chi_{29}^{(30)}$	A	.	.	.	.	.	.	-/A	-A	-1
$\chi_{29}^{(31)}$	1	-1	-1	-1	-1	-1	-1	-3	-3	-3
$\chi_{29}^{(32)}$	-1	-1	-1	-1	-1	-1	-1	3	3	3
$\chi_{29}^{(33)}$	/A	-1	-A	-/A	-/A	-1	-A	K	/K	-3
$\chi_{29}^{(34)}$	A	-1	-/A	-A	-A	-1	-/A	/K	K	-3
$\chi_{29}^{(35)}$	-/A	-1	-A	-/A	-/A	-1	-A	-K	-/K	3
$\chi_{29}^{(36)}$	-A	-1	-/A	-A	-A	-1	-/A	-/K	-K	3
$\chi_{29}^{(37)}$	.	.	.	.	.	.	.	-2	-2	-2
$\chi_{29}^{(38)}$	.	.	.	.	.	.	.	2	2	2
$\chi_{29}^{(39)}$	.	.	.	.	.	.	.	H	/H	-2
$\chi_{29}^{(40)}$	.	.	.	.	.	.	.	/H	H	-2
$\chi_{29}^{(41)}$	.	.	.	.	.	.	.	-H	-/H	2
$\chi_{29}^{(42)}$	.	.	.	.	.	.	.	-/H	-H	2
$\chi_{29}^{(43)}$	.	1	1	1	1	1	1	.	.	.
$\chi_{29}^{(44)}$	.	-1	-1	-1	1	1	1	.	.	.
$\chi_{29}^{(45)}$	.	1	A	/A	/A	1	A	.	.	.
$\chi_{29}^{(46)}$	.	1	/A	A	A	1	/A	.	.	.
$\chi_{29}^{(47)}$	.	-1	-A	-/A	/A	1	A	.	.	.
$\chi_{29}^{(48)}$	.	-1	-/A	-A	A	1	/A	.	.	.
$\chi_{29}^{(49)}$	.	.	.	.	.	.	.	.	.	.
$\chi_{29}^{(50)}$	.	.	.	.	.	.	.	.	.	.
$\chi_{29}^{(51)}$	.	.	.	.	.	.	.	.	.	.

where $A=E(3)^2=(-1-ER(-3))/2=-1-b3$; $B=4^*E(3)^2=-2-2^*ER(-3)=-2-2i3$; $C=5^*E(3)^2=(-5-5^*ER(-3))/2=-5-5b3$; $D=9^*E(3)^2=(-9-9^*ER(-3))/2=-9-9b3$; $E=10^*E(3)^2=-5-5^*ER(-3)=-5-5i3$; $F=16^*E(3)^2=-8-8^*ER(-3)=-8-8i3$; $G=20^*E(3)^2=-10-10^*ER(-3)=-10-10i3$; $H=-2^*E(3)^2=1+ER(-3)=1+i3$; $I=-E(3)+E(3)^2=-ER(-3)=i3$; $J=-2^*E(3)-E(3)^2=(3-ER(-3))/2=1-b3$; $K=-3^*E(3)^2=(3+3^*ER(-3))/2=3+3b3$; $L=-E(12)^7+E(12)^{11}=ER(3)=r3$; $M=-E(12)^7-2^*E(12)^{11}$.

The generators of $G^{s_{30}}$ are:

(1, 221, 121, 253, 149, 239, 249, 82, 99, 108, 191, 224, 210, 46, 76, 92, 23, 133, 8, 70, 75, 21, 130, 48) (2, 72, 273, 170, 259, 235, 11, 69, 26, 204, 160, 123, 16, 32, 113, 250, 74, 202, 43, 268, 150, 156, 206, 96) (3, 212, 236, 255, 148, 53, 34, 193, 254, 139, 81, 103, 89, 29, 12, 25, 155, 20, 59, 243, 164, 60, 199, 61) (4, 194, 56, 171, 167, 242, 41, 137, 67, 64, 215, 146, 124, 238, 232, 62, 201, 187, 6, 9, 198, 13, 100, 179) (5, 110, 263, 87, 141, 47, 101, 234, 276, 15, 109, 269, 143, 166, 165, 22, 222, 203, 153, 220, 52, 247, 226, 159) (7, 119, 246, 256, 177, 126, 172, 40, 223, 225, 176, 10, 118, 258, 218, 183, 98, 28, 117, 264, 244, 38, 127, 228) (14, 102, 151, 252, 84, 205, 248, 267, 240, 55, 73, 112) (17, 208, 132, 251, 211, 49, 65, 57, 106, 95, 196, 257) (18, 104, 213, 175) (19, 122, 85, 214, 83, 174) (24, 207, 217, 274, 152, 190, 71, 216, 77, 173, 261, 231, 147, 88, 197, 229, 182, 266, 90, 30, 120, 39, 107, 36) (27, 163, 168, 44, 116, 195, 186, 245, 135, 200, 192, 125, 138, 50, 78, 233, 181, 42, 144, 237, 68, 178, 63, 93) (31, 91, 169, 97, 157, 128, 162, 188, 270, 45, 136, 37, 94, 111, 241, 154, 262, 260, 131, 51, 129, 134, 272, 66) (33, 115, 54, 140, 145, 275, 142, 209, 189, 271, 227, 86, 114, 184, 158, 230, 185, 265, 35, 105, 80, 161, 180, 79).

The representatives of conjugacy classes of $G^{s_{30}}$ are:

() , (1, 8, 210, 249) (2, 43, 16, 11) (3, 59, 89, 34) (4, 6, 124, 41) (5, 153, 143, 101) (7, 117, 118, 172) (9, 238, 137, 194) (10, 126, 228, 28) (12, 254, 236, 164) (13, 62, 64, 171) (14, 248) (15, 87, 247, 22) (17, 65) (18, 213) (20, 103, 53, 61) (21, 92, 108, 253) (23, 191, 149, 130) (24, 90, 147, 71) (25, 139, 255, 60) (26, 273, 150, 113) (27, 144, 138, 186) (29, 193, 212, 243) (30, 88, 216, 207) (31, 131, 94, 162) (32, 69, 72, 268) (33, 35, 114, 142) (36, 266, 231, 190) (37, 128, 66, 260) (38, 183, 225, 256) (39, 229, 173, 274) (40, 119, 264, 258) (42, 125, 195, 93) (44, 178, 233, 200) (45, 97, 134, 154) (46, 82, 221, 70) (47, 159, 203, 269) (48, 133, 224, 239) (49, 257) (50, 245, 163, 237) (51, 111, 188, 91) (52, 165, 276, 263) (54, 80, 158, 189) (55, 252) (56, 198, 232, 67) (57, 208) (63, 181, 192, 116) (68, 78, 135, 168) (73, 84) (74, 160, 259, 206) (75, 76, 99, 121) (77, 217, 120, 197) (79, 265, 86, 275) (81, 148, 199, 155) (95, 251) ([...]) , (1, 21, 8, 92, 210, 108, 249, 253) (2, 156, 43, 250, 16, 204, 11, 170) (3, 60, 59, 25, 89, 139, 34, 255) (4, 13, 6, 62, 124, 64, 41, 171) (5, 247, 153, 22, 143, 15, 101, 87) (7, 38, 117, 183, 118, 225, 172, 256) (9, 201, 238, 215, 137, 167, 194, 100) (10, 223, 126, 246, 228, 244, 28, 218) (12, 103, 254, 53, 236, 61, 164, 20) (14, 55, 248, 252) (17, 95, 65, 251) (18, 104, 213, 175) (19, 214) (23, 46, 191, 82, 149, 221, 130, 70) (24, 39, 90, 229, 147, 173, 71, 274) (26, 235, 273, 96, 150, 202, 113, 123) (27, 178, 144, 233, 138, 200, 186, 44) (29, 81, 193, 148, 212, 199, 243, 155) (30, 182, 88, 261, 216, 152, 207, 107) (31, 134, 131, 154, 94, 45, 162, 97) (32, 160, 69, 259, 72, 206, 268, 74) (33, 161, 35, 230, 114, 271, 142, 140) (36, 120, 266, 197, 231, 77, 190, 217) (37, 270, 128, 169, 66, 129, 260, 241) (40, 177, 119, 127, 264, 98, 258, 176) (42, 78, 125, 135, 195, 168, 93, 68) (47, 263, 159, 52, 203, 165, 269, 276) (48, 75, 133, 76, 224, 99, 239, 121) ([...]) , (1, 23, 99) (2, 74, 26) (3, 155, 254) (4, 201, 67) (5, 222, 276) (6, 215, 56) (7, 98, 223) (8, 191, 121) (9, 146, 171) (10, 256, 264) (11, 206, 113) (12, 34, 199) (13, 238, 242) (14, 84, 240) (15, 110, 203) (16, 259, 150) (17, 211, 106) (19, 83, 85) (20, 139, 212) (21, 46, 239) (22, 234, 159) (24, 182, 77) (25, 193, 61) (27, 181, 135) (28, 225, 119) (29, 53, 60) (30, 231, 274) (31, 262, 270) (32, 235, 156) (33, 185, 189) (35, 227, 54) (36, 229, 216) (37, 97, 51) (38, 258, 126) (39, 88, 190) (40, 228, 183) (41, 100, 232) (42, 200, 163) (43, 160, 273) (44, 237, 125) (45, 91, 260) (47, 247, 166) (48, 92, 82) (49, 95, 208) (50, 195, 178) (52, 143, 141) (55, 102, 205) (57, 257, 251) (59, 81, 236) (62, 137, 179) (63, 78, 186) (64, 194, 187) (65, 196, 132) (66, 154, 188) (68, 138, 116) (69, 96, 250) (70, 224, 253) (71, 107, 197) (72, 202, 204) (73, 151, 248) (75, 210, 149) (76, 249, 130) (79, 230, 209) (80, 114, 145) (86, 140, 105) (87, 220, 269) (89, 148, 164) ([...]) , (1, 46, 121, 92, 149, 133, 249, 70, 99, 21, 191, 48, 210, 221, 76, 253, 23, 239, 8, 82, 75, 108, 130, 224) (2, 32, 273, 250, 259, 202, 11, 268, 26, 156, 160, 96, 16, 72, 113, 170, 74, 235, 43, 69, 150, 204, 206, 123) (3, 29, 236, 25, 148, 20, 34, 243, 254, 60, 81, 61, 89, 212, 12, 255, 155, 53, 59, 193, 164, 139, 199, 103) (4, 238, 56, 62, 167, 187, 41, 9, 67, 13, 215, 179, 124, 194, 232, 171, 201, 242, 6, 137, 198, 64, 100, 146) (5, 166, 263, 22, 141, 203, 101, 220, 276, 247, 109, 159, 143, 110, 165, 87, 222, 47, 153, 234, 52, 15, 226, 269) (7, 258, 246, 183, 177, 28, 172, 264, 223, 38, 176, 228, 118, 119, 218, 256, 98, 126, 117, 40, 244, 225, 127, 10) (14, 102, 151, 252, 84, 205, 248, 267, 240, 55, 73, 112) (17, 208, 132, 251, 211, 49, 65, 57, 106, 95, 196, 257) (18, 104, 213, 175) (19, 122, 85, 214, 83, 174) (24, 88, 217, 229, 152, 266, 71, 30, 77, 39, 261, 36, 147, 207, 197, 274, 182, 190, 90, 216, 120, 173, 107, 231) ([...]) , (1, 48, 130, 21, 75, 70, 8, 133, 23, 92, 76, 46, 210, 224, 191, 108, 99, 82, 249, 239, 149, 253, 121, 221) (2, 96, 206, 156, 150, 268, 43, 202, 74, 250, 113, 32, 16, 123, 160, 204, 26, 69, 11, 235, 259, 170, 273, 72) (3, 61, 199, 60, 164, 243, 59, 20, 155, 25, 12, 29, 89, 103, 81, 139, 254, 193, 34, 53, 148, 255, 236, 212) (4, 179, 100, 13, 198, 9, 6, 187, 201, 62, 232, 238, 124, 146, 215, 64, 67, 137, 41, 242, 167, 171, 56, 194) (5, 159, 226, 247, 52, 220, 153, 203, 222, 22, 165, 166, 143, 269, 109, 15, 276, 234, 101, 47, 141, 87, 263, 110) (7, 228, 127, 38, 244, 264, 117, 28, 98, 183, 218, 258, 118, 10, 176, 225, 223, 40, 172, 126, 177, 256, 246, 119) (14, 112, 73, 55, 240, 267, 248, 205, 84, 252, 151, 102) (17, 257, 196, 95, 106, 57, 65, 49, 211, 251, 132, 208) (18, 175, 213, 104) (19, 174, 83, 214, 85, 122) (24, 36, 107, 39, 120, 30, 90, 266, 182, 229, 197, 88, 147, 231, 261, 173, 77, 216, 71, 190, 152, 274, 217, 207) ([...]) , (1, 70, 76, 108, 149, 48, 8, 46, 99, 253, 130, 133, 210, 82, 121, 21, 23, 224, 249, 221, 75, 92, 191, 239) (2, 268, 113, 204, 259, 96, 43, 32, 26, 170, 206, 202, 16, 69, 273, 156, 74, 123, 11, 72, 150, 250, 160, 235) (3, 243, 12, 139, 148, 61,

59, 29, 254, 255, 199, 20, 89, 193, 236, 60, 155, 103, 34, 212, 164, 25, 81, 53) (4, 9, 232, 64, 167, 179, 6, 238, 67, 171, 100, 187, 124, 137, 56, 13, 201, 146, 41, 194, 198, 62, 215, 242) (5, 220, 165, 15, 141, 159, 153, 166, 276, 87, 226, 203, 143, 234, 263, 247, 222, 269, 101, 110, 52, 22, 109, 47) (7, 264, 218, 225, 177, 228, 117, 258, 223, 256, 127, 28, 118, 40, 246, 38, 98, 10, 172, 119, 244, 183, 176, 126) (14, 267, 151, 55, 84, 112, 248, 102, 240, 252, 73, 205) (17, 57, 132, 95, 211, 257, 65, 208, 106, 251, 196, 49) (18, 175, 213, 104) (19, 122, 85, 214, 83, 174) (24, 30, 197, 173, 152, 36, 90, 88, 77, 274, 107, 266, 147, 216, 217, 39, 182, 231, 71, 207, 120, 229, 261, 190) ([...]) , (1, 75, 23, 210, 99, 149) (2, 150, 74, 16, 26, 259) (3, 164, 155, 89, 254, 148) (4, 198, 201, 124, 67, 167) (5, 52, 222, 143, 276, 141) (6, 232, 215, 41, 56, 100) (7, 244, 98, 118, 223, 177) (8, 76, 191, 249, 121, 130) (9, 62, 146, 137, 171, 179) (10, 40, 256, 228, 264, 183) (11, 273, 206, 43, 113, 160) (12, 81, 34, 236, 199, 59) (13, 187, 238, 64, 242, 194) (14, 240, 84) (15, 47, 110, 247, 203, 166) (17, 106, 211) (19, 85, 83) (20, 29, 139, 53, 212, 60) (21, 133, 46, 108, 239, 221) (22, 269, 234, 87, 159, 220) (24, 120, 182, 147, 77, 152) (25, 103, 193, 255, 61, 243) (27, 68, 181, 138, 135, 116) (28, 258, 225, 126, 119, 38) (30, 229, 231, 216, 274, 36) (31, 129, 262, 94, 270, 157) (32, 204, 235, 72, 156, 202) (33, 80, 185, 114, 189, 145) (35, 158, 227, 142, 54, 180) (37, 188, 97, 66, 51, 154) (39, 266, 88, 173, 190, 207) (42, 50, 200, 195, 163, 178) (44, 93, 237, 233, 125, 245) (45, 128, 91, 134, 260, 111) (48, 70, 92, 224, 82, 253) ([...]) , (1, 76, 149, 8, 99, 130, 210, 121, 23, 249, 75, 191) (2, 113, 259, 43, 26, 206, 16, 273, 74, 11, 150, 160) (3, 12, 148, 59, 254, 199, 89, 236, 155, 34, 164, 81) (4, 232, 167, 6, 67, 100, 124, 56, 201, 41, 198, 215) (5, 165, 141, 153, 276, 226, 143, 263, 222, 101, 52, 109) (7, 218, 177, 117, 223, 127, 118, 246, 98, 172, 244, 176) (9, 64, 179, 238, 171, 187, 137, 13, 146, 194, 62, 242) (10, 119, 183, 126, 264, 225, 228, 258, 256, 28, 40, 38) (14, 151, 84, 248, 240, 73) (15, 159, 166, 87, 203, 234, 247, 269, 110, 22, 47, 220) (17, 132, 211, 65, 106, 196) (18, 213) (19, 85, 83) (20, 193, 60, 103, 212, 25, 53, 243, 139, 61, 29, 255) (21, 224, 221, 92, 239, 70, 108, 48, 46, 253, 133, 82) (24, 197, 152, 90, 77, 107, 147, 217, 182, 71, 120, 261) (27, 78, 116, 144, 135, 63, 138, 168, 181, 186, 68, 192) (30, 173, 36, 88, 274, 266, 216, 39, 231, 207, 229, 190) (31, 241, 157, 131, 270, 272, 94, 169, 262, 162, 129, 136) (32, 170, 202, 69, 156, 123, 72, 250, 235, 268, 204, 96) ([...]) , (1, 82, 76, 21, 149, 224, 8, 221, 99, 92, 130, 239, 210, 70, 121, 108, 23, 48, 249, 46, 75, 253, 191, 133) (2, 69, 113, 156, 259, 123, 43, 72, 26, 250, 206, 235, 16, 268, 273, 204, 74, 96, 11, 32, 150, 170, 160, 202) (3, 193, 12, 60, 148, 103, 59, 212, 254, 25, 199, 53, 89, 243, 236, 139, 155, 61, 34, 29, 164, 255, 81, 20) (4, 137, 232, 13, 167, 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159) (48, 239, 224, 133) (49, 257) (50, 237, 163, 245) (51, 91, 188, 111) (52, 263, 276, 165) (54, 189, 158, 80) (55, 252) (56, 67, 232, 198) (57, 208) (63, 116, 192, 181) (68, 168, 135, 78) (73, 84) (74, 206, 259, 160) (75, 121, 99, 76) (77, 197, 120, 217) (79, 275, 86, 265) (81, 155, 199, 148) (95, 251) ([...]), (1, 253, 249, 108, 210, 92, 8, 21) (2, 170, 11, 204, 16, 250, 43, 156) (3, 255, 34, 139, 89, 25, 59, 60) (4, 171, 41, 64, 124, 62, 6, 13) (5, 87, 101, 15, 143, 22, 153, 247) (7, 256, 172, 225, 118, 183, 117, 38) (9, 100, 194, 167, 137, 215, 238, 201) (10, 218, 28, 244, 228, 246, 126, 223) (12, 20, 164, 61, 236, 53, 254, 103) (14, 252, 248, 55) (17, 251, 65, 95) (18, 175, 213, 104) (19, 214) (23, 70, 130, 221, 149, 82, 191, 46) (24, 274, 71, 173, 147, 229, 90, 39) (26, 123, 113, 202, 150, 96, 273, 235) (27, 44, 186, 200, 138, 233, 144, 178) (29, 155, 243, 199, 212, 148, 193, 81) (30, 107, 207, 152, 216, 261, 88, 182) (31, 97, 162, 45, 94, 154, 131, 134) (32, 74, 268, 206, 72, 259, 69, 160) (33, 140, 142, 271, 114, 230, 35, 161) (36, 217, 190, 77, 231, 197, 266, 120) (37, 241, 260, 129, 66, 169, 128, 270) (40, 176, 258, 98, 264, 127, 119, 177) (42, 68, 93, 168, 195, 135, 125, 78) (47, 276, 269, 165, 203, 52, 159, 263) (48, 121, 239, 99, 224, 76, 133, 75) ([...]).

The character table of $G^{s_{30}}$:

	10																		20
$\chi_{30}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{30}^{(2)}$	1	1	-1	1	-1	-1	-1	1	1	-1	-1	1	-1	1	1	-1	1	1	-1
$\chi_{30}^{(3)}$	1	1	1	C	C	/C	C	/C	/C	C	1	/C	1	/C	C	/C	C	C	1
$\chi_{30}^{(4)}$	1	1	-1	C	-C	-/C	-C	/C	/C	-C	-1	/C	-1	/C	C	-/C	C	C	1
$\chi_{30}^{(5)}$	1	1	1	/C	/C	C	/C	C	C	/C	1	C	1	C	/C	C	/C	/C	1
$\chi_{30}^{(6)}$	1	1	-1	/C	-/C	-C	-/C	C	C	-/C	-1	C	-1	C	/C	-C	/C	/C	1
$\chi_{30}^{(7)}$	1	-1	A	1	A	-A	-A	1	-1	-A	-A	1	A	-1	-1	A	1	-1	1
$\chi_{30}^{(8)}$	1	-1	-A	1	-A	A	A	1	-1	A	A	1	-A	-1	-1	-A	1	-1	1
$\chi_{30}^{(9)}$	1	-1	A	C	D	/D	-D	/C	-/C	-D	-A	/C	A	-/C	-C	-/D	C	-C	1
$\chi_{30}^{(10)}$	1	-1	-A	C	-D	-/D	D	/C	-/C	D	A	/C	-A	-/C	-C	/D	C	-C	1
$\chi_{30}^{(11)}$	1	-1	A	/C	-/D	-D	/D	C	-C	/D	-A	C	A	-C	-/C	D	/C	-/C	1
$\chi_{30}^{(12)}$	1	-1	-A	/C	/D	D	-/D	C	-C	-/D	A	C	-A	-C	-/C	-D	/C	-/C	1
$\chi_{30}^{(13)}$	1	A	B	1	B	-/B	/B	-1	-A	-/B	-/B	1	-B	A	-A	-B	-1	A	-1
$\chi_{30}^{(14)}$	1	A	-B	1	-B	/B	-/B	-1	-A	/B	/B	1	B	A	-A	B	-1	A	-1
$\chi_{30}^{(15)}$	1	A	B	C	E	-/E	/F	-/C	/D	-/F	-/B	/C	-B	-/D	-D	-F	-C	D	-1
$\chi_{30}^{(16)}$	1	A	-B	C	-E	/E	-/F	-/C	/D	/F	/B	/C	B	-/D	-D	F	-C	D	-1
$\chi_{30}^{(17)}$	1	A	B	/C	F	-/F	/E	-C	-D	-/E	-/B	C	-B	D	/D	-E	-/C	-/D	-1
$\chi_{30}^{(18)}$	1	A	-B	/C	-F	/F	-/E	-C	-D	/E	/B	C	B	D	/D	E	-/C	-/D	-1
$\chi_{30}^{(19)}$	1	-A	-/B	1	-/B	B	-B	-1	A	B	B	1	/B	-A	A	/B	-1	-A	-1
$\chi_{30}^{(20)}$	1	-A	/B	1	/B	-B	B	-1	A	-B	-B	1	-/B	-A	A	-/B	-1	-A	-1
$\chi_{30}^{(21)}$	1	-A	-/B	C	-/F	F	-E	-/C	-/D	E	B	/C	/B	/D	D	/E	-C	-D	-1
$\chi_{30}^{(22)}$	1	-A	/B	C	/F	-F	E	-/C	-/D	-E	-B	/C	-/B	/D	D	-/E	-C	-D	-1
$\chi_{30}^{(23)}$	1	-A	-/B	/C	-/E	E	-F	-C	D	F	B	C	/B	-D	-/D	/F	-/C	/D	-1
$\chi_{30}^{(24)}$	1	-A	/B	/C	/E	-E	F	-C	D	-F	-B	C	-/B	-D	-/D	-/F	-/C	/D	-1

$\chi_{30}^{(1)}$	1	1	1	1
$\chi_{30}^{(2)}$	-1	-1	1	-1
$\chi_{30}^{(3)}$	/C	/C	1	1
$\chi_{30}^{(4)}$	-/C	-/C	1	-1
$\chi_{30}^{(5)}$	C	C	1	1
$\chi_{30}^{(6)}$	-C	-C	1	-1
$\chi_{30}^{(7)}$	-A	A	-1	-A
$\chi_{30}^{(8)}$	A	-A	-1	A
$\chi_{30}^{(9)}$	/D	-/D	-1	-A
$\chi_{30}^{(10)}$	-/D	/D	-1	A
$\chi_{30}^{(11)}$	-D	D	-1	-A
$\chi_{30}^{(12)}$	D	-D	-1	A
$\chi_{30}^{(13)}$	/B	B	-A	/B
$\chi_{30}^{(14)}$	-/B	-B	-A	-/B
$\chi_{30}^{(15)}$	/E	F	-A	/B
$\chi_{30}^{(16)}$	-/E	-F	-A	-/B
$\chi_{30}^{(17)}$	/F	E	-A	/B
$\chi_{30}^{(18)}$	-/F	-E	-A	-/B
$\chi_{30}^{(19)}$	-B	-/B	A	-B
$\chi_{30}^{(20)}$	B	/B	A	B
$\chi_{30}^{(21)}$	-F	-/E	A	-B
$\chi_{30}^{(22)}$	F	/E	A	B
$\chi_{30}^{(23)}$	-E	-/F	A	-B
$\chi_{30}^{(24)}$	E	/F	A	B

where $A=E(4)=ER(-1)=i$; $B=-E(8)$; $C=E(3)^2=(-1-ER(-3))/2=-1-b_3$; $D=E(12)^{11}$; $E=-E(24)^{19}$; $F=-E(24)^{11}$.

The generators of $G^{s_{31}}$ are:

(1, 253, 249, 108, 210, 92, 8, 21) (2, 170, 11, 204, 16, 250, 43, 156) (3, 255, 34, 139, 89, 25, 59, 60) (4, 171, 41, 64, 124, 62, 6, 13) (5, 87, 101, 15, 143, 22, 153, 247) (7, 256, 172, 225, 118, 183, 117, 38) (9, 100, 194, 167, 137, 215, 238, 201) (10, 218, 28, 244, 228, 246, 126, 223) (12, 20, 164, 61, 236, 53, 254, 103) (14, 252, 248, 55) (17, 251, 65, 95) (18, 175, 213, 104) (19, 214) (23, 70, 130, 221, 149, 82, 191, 46) (24, 274, 71, 173, 147, 229, 90, 39) (26, 123, 113, 202, 150, 96, 273, 235) (27, 44, 186, 200, 138, 233, 144, 178) (29, 155, 243, 199, 212, 148, 193, 81) (30, 107, 207, 152, 216, 261, 88, 182) (31, 97, 162, 45, 94, 154, 131, 134) (32, 74, 268, 206, 72, 259, 69, 160) (33, 140, 142, 271, 114, 230, 35, 161) (36, 217, 190, 77, 231, 197, 266, 120) (37, 241, 260, 129, 66, 169, 128, 270) (40, 176, 258, 98, 264, 127, 119, 177) (42, 68, 93, 168, 195, 135, 125, 78) (47, 276, 269, 165, 203, 52, 159, 263) (48, 121, 239, 99, 224, 76, 133, 75) (49, 106, 257, 132) (50, 181, 237, 63, 163, 116, 245, 192) (51, 272, 91, 157, 188, 136, 111, 262) (54, 275, 189, 86, 158, 265, 80, 79) (56, 242, 67, 146, 232, 187, 198, 179) (57, 196, 208, 211) (73, 102, 84, 267) (83, 122) (85, 174) (105, 180, 115, 145, 209, 227, 184, 185) (109, 166, 222, 220, 226, 110, 141, 234) (112, 151, 205, 240) , (2, 11, 16, 43) (3, 146, 261, 244) (4, 61, 77, 9) (5, 149, 76, 52) (6, 20, 217, 238) (7, 24, 212, 40) (10, 25, 56, 207) (12, 36, 215, 62) (13, 164, 190, 201) (14, 252, 248, 55) (15, 46, 48, 47) (17, 257, 196, 18) (19, 214) (22, 70, 239, 269) (23, 121, 276, 143) (26, 27, 192, 259) (28, 60, 67, 216) (29, 264, 118, 147) (30, 126, 139, 198) (31, 272, 265, 271) (32, 202, 200, 237) (33, 154, 111, 189) (34, 187, 182, 246) (35, 45, 188, 54) (37, 66) (38, 39, 199, 177) (41, 53, 197, 194) (44, 50, 69, 123) (49, 211, 213, 65) (51, 158, 142, 134) (57, 104, 95, 106) (58, 219) (59, 242, 152, 218) (63, 74, 150, 138) (64, 254, 266, 167) (71, 193, 258, 172) (72, 235, 178, 245) (73, 205) (75, 263, 101, 191) (79, 230, 162, 157) (80, 114, 97, 91) (81, 98, 225, 173) (82, 133, 159, 87) (83, 174, 122, 85) (84, 112) (86, 140, 131, 262) (88, 228, 255, 232) (89, 179, 107, 223) (90, 243, 119,

117) (94, 136, 275, 161) (96, 233, 163, 268) (99, 165, 153, 130) (100, 171, 236, 231) (102, 240) (103, 120, 137, 124) (105, 184, 209, 115) (109, 222, 226, 141) (110, 234, 166, 220) (113, 186, 181, 160) (116, 206, 273, 144) (127, 183, 229, 155) (128, 260) (129, 270) (132, 208, 175, 251) (145, 180, 185, 227) (148, 176, 256, 274) (151, 267) (156, 170, 204, 250) (169, 241) (203, 247, 221, 224) , (1, 5, 8, 153, 210, 143, 249, 101) (2, 63, 43, 181, 16, 192, 11, 116) (3, 53, 59, 61, 89, 20, 34, 103) (4, 118, 6, 172, 124, 7, 41, 117) (9, 228, 238, 28, 137, 10, 194, 126) (12, 255, 254, 60, 236, 25, 164, 139) (13, 225, 62, 256, 64, 38, 171, 183) (14, 205, 248, 112) (15, 253, 87, 21, 247, 92, 22, 108) (17, 251, 65, 95) (18, 175, 213, 104) (19, 85) (23, 276, 191, 263, 149, 52, 130, 165) (24, 207, 90, 30, 147, 88, 71, 216) (26, 78, 273, 135, 150, 168, 113, 68) (27, 259, 144, 206, 138, 74, 186, 160) (29, 81, 193, 148, 212, 199, 243, 155) (31, 275, 131, 79, 94, 265, 162, 86) (32, 44, 69, 178, 72, 233, 268, 200) (33, 128, 35, 66, 114, 260, 142, 37) (36, 77, 266, 217, 231, 120, 190, 197) (39, 107, 229, 182, 173, 261, 274, 152) (40, 242, 119, 179, 264, 187, 258, 146) (42, 235, 125, 96, 195, 202, 93, 123) (45, 158, 97, 189, 134, 54, 154, 80) (46, 47, 82, 159, 221, 203, 70, 269) (48, 234, 133, 110, 224, 220, 239, 166) (49, 211, 257, 196) (50, 204, 245, 170, 163, 156, 237, 250) (51, 185, 111, 227, 188, 145, 91, 180) (55, 151, 252, 240) (56, 127, 198, 98, 232, 176, 67, 177) (57, 132, 208, 106) (58, 219) (73, 267, 84, 102) (75, 141, 76, 226, 99, 222, 121, 109) (100, 246, 201, 244, 215, 218, 167, 223) (105, 262, 184, 136, 209, 157, 115, 272) (129, 271, 241, 140, 270, 161, 169, 230) (174, 214).

The representatives of conjugacy classes of $G^{s_{31}}$ are:

() , (2, 11, 16, 43) (3, 146, 261, 244) (4, 61, 77, 9) (5, 149, 76, 52) (6, 20, 217, 238) (7, 24, 212, 40) (10, 25, 56, 207) (12, 36, 215, 62) (13, 164, 190, 201) (14, 252, 248, 55) (15, 46, 48, 47) (17, 257, 196, 18) (19, 214) (22, 70, 239, 269) (23, 121, 276, 143) (26, 27, 192, 259) (28, 60, 67, 216) (29, 264, 118, 147) (30, 126, 139, 198) (31, 272, 265, 271) (32, 202, 200, 237) (33, 154, 111, 189) (34, 187, 182, 246) (35, 45, 188, 54) (37, 66) (38, 39, 199, 177) (41, 53, 197, 194) (44, 50, 69, 123) (49, 211, 213, 65) (51, 158, 142, 134) (57, 104, 95, 106) (58, 219) (59, 242, 152, 218) (63, 74, 150, 138) (64, 254, 266, 167) (71, 193, 258, 172) (72, 235, 178, 245) (73, 205) (75, 263, 101, 191) (79, 230, 162, 157) (80, 114, 97, 91) (81, 98, 225, 173) (82, 133, 159, 87) (83, 174, 122, 85) (84, 112) (86, 140, 131, 262) (88, 228, 255, 232) (89, 179, 107, 223) (90, 243, 119, 117) (94, 136, 275, 161) (96, 233, 163, 268) (99, 165, 153, 130) (100, 171, 236, 231) ([...]) , (2, 16) (3, 261) (4, 77) (5, 76) (6, 217) (7, 212) (9, 61) (10, 56) (11, 43) (12, 215) (13, 190) (14, 248) (15, 48) (17, 196) (18, 257) (20, 238) (22, 239) (23, 276) (24, 40) (25, 207) (26, 192) (27, 259) (28, 67) (29, 118) (30, 139) (31, 265) (32, 200) (33, 111) (34, 182) (35, 188) (36, 62) (38, 199) (39, 177) (41, 197) (44, 69) (45, 54) (46, 47) (49, 213) (50, 123) (51, 142) (52, 149) (53, 194) (55, 252) (57, 95) (59, 152) (60, 216) (63, 150) (64, 266) (65, 211) (70, 269) (71, 258) (72, 178) (74, 138) (75, 101) (79, 162) (80, 97) (81, 225) (82, 159) (83, 122) (85, 174) (86, 131) (87, 133) (88, 255) (89, 107) (90, 119) (91, 114) (94, 275) (96, 163) (98, 173) (99, 153) (100, 236) (103, 137) (104, 106) (105, 209) (109, 226) (110, 166) (113, 181) (115, 184) (116, 273) (117, 243) (120, 124) (121, 143) (126, 198) (127, 229) (130, 165) (132, 175) (134, 158) (136, 161) (140, 262) (141, 222) (144, 206) (145, 185) (146, 244) (147, 264) (148, 256) (154, 189) (155, 183) (156, 204) (157, 230) (160, 186) ([...]) , (2, 43, 16, 11) (3, 244, 261, 146) (4, 9, 77, 61) (5, 52, 76, 149) (6, 238, 217, 20) (7, 40, 212, 24) (10, 207, 56, 25) (12, 62, 215, 36) (13, 201, 190, 164) (14, 55, 248, 252) (15, 47, 48, 46) (17, 18, 196, 257) (19, 214) (22, 269, 239, 70) (23, 143, 276, 121) (26, 259, 192, 27) (28, 216, 67, 60) (29, 147, 118, 264) (30, 198, 139, 126) (31, 271, 265, 272) (32, 237, 200, 202) (33, 189, 111, 154) (34, 246, 182, 187) (35, 54, 188, 45) (37, 66) (38, 177, 199, 39) (41, 194, 197, 53) (44, 123, 69, 50) (49, 65, 213, 211) (51, 134, 142, 158) (57, 106, 95, 104) (58, 219) (59, 218, 152, 242) (63, 138, 150, 74) (64, 167, 266, 254) (71, 172, 258, 193) (72, 245, 178, 235) (73, 205) (75, 191, 101, 263) (79, 157, 162, 230) (80, 91, 97, 114) (81, 173, 225, 98) (82, 87, 159, 133) (83, 85, 122, 174) (84, 112) (86, 262, 131, 140) (88, 232, 255, 228) (89, 223, 107, 179) (90, 117, 119, 243) (94, 161, 275, 136) (96, 268, 163, 233) (99, 130, 153, 165) (100, 231, 236, 171) ([...]) , (1, 5, 8, 153, 210, 143, 249, 101) (2, 63, 43, 181, 16, 192, 11, 116) (3, 53, 59, 61, 89, 20, 34, 103) (4, 118, 6, 172, 124, 7, 41, 117) (9, 228, 238, 28, 137, 10, 194, 126) (12, 255, 254, 60, 236, 25, 164, 139) (13, 225, 62, 256, 64, 38, 171, 183) (14, 205, 248, 112) (15, 253, 87, 21, 247, 92, 22, 108) (17, 251, 65, 95) (18, 175, 213, 104) (19, 85) (23, 276, 191, 263, 149,

52, 130, 165) (24, 207, 90, 30, 147, 88, 71, 216) (26, 78, 273, 135, 150, 168, 113, 68) (27, 259, 144, 206, 138, 74, 186, 160) (29, 81, 193, 148, 212, 199, 243, 155) (31, 275, 131, 79, 94, 265, 162, 86) (32, 44, 69, 178, 72, 233, 268, 200) (33, 128, 35, 66, 114, 260, 142, 37) (36, 77, 266, 217, 231, 120, 190, 197) (39, 107, 229, 182, 173, 261, 274, 152) (40, 242, 119, 179, 264, 187, 258, 146) (42, 235, 125, 96, 195, 202, 93, 123) (45, 158, 97, 189, 134, 54, 154, 80) (46, 47, 82, 159, 221, 203, 70, 269) (48, 234, 133, 110, 224, 220, 239, 166) (49, 211, 257, 196) ([...]) , (1, 5, 52, 8, 153, 165, 210, 143, 276, 249, 101, 263) (2, 116, 138, 43, 63, 186, 16, 181, 27, 11, 192, 144) (3, 40, 41, 59, 119, 4, 89, 264, 6, 34, 258, 124) (7, 207, 194, 117, 30, 9, 118, 88, 238, 172, 216, 137) (10, 164, 197, 126, 12, 77, 228, 254, 217, 28, 236, 120) (13, 139, 98, 62, 255, 176, 64, 60, 177, 171, 25, 127) (14, 240, 73, 248, 151, 84) (15, 47, 253, 87, 159, 21, 247, 203, 92, 22, 269, 108) (17, 196, 175, 65, 211, 104) (18, 251, 208, 213, 95, 57) (19, 174, 122) (20, 231, 246, 103, 190, 244, 53, 36, 218, 61, 266, 223) (23, 109, 121, 191, 141, 75, 149, 226, 76, 130, 222, 99) (24, 199, 56, 90, 155, 198, 147, 81, 232, 71, 148, 67) (26, 259, 78, 273, 206, 135, 150, 74, 168, 113, 160, 68) (29, 187, 173, 193, 146, 274, 212, 242, 39, 243, 179, 229) (31, 105, 136, 131, 184, 157, 94, 209, 272, 162, 115, 262) (32, 93, 123, 69, 42, 235, 72, 125, 96, 268, 195, 202) (33, 80, 260, 35, 158, 37, 114, 189, 128, 142, 54, 66) ([...]) , (1, 5, 130, 210, 143, 191) (2, 181, 160, 16, 116, 206) (3, 215, 77, 89, 100, 120) (4, 228, 71, 124, 10, 90) (6, 28, 24, 41, 126, 147) (7, 242, 61, 118, 187, 103) (8, 153, 23, 249, 101, 149) (9, 266, 60, 137, 190, 139) (11, 63, 74, 43, 192, 259) (12, 256, 67, 236, 183, 198) (13, 244, 274, 64, 223, 229) (14, 151, 84) (15, 82, 21, 247, 70, 108) (17, 175, 106) (18, 49, 95) (19, 174, 83) (20, 172, 146, 53, 117, 179) (22, 46, 253, 87, 221, 92) (25, 194, 36, 255, 238, 231) (26, 144, 135, 150, 186, 68) (27, 78, 273, 138, 168, 113) (29, 88, 176, 212, 207, 127) (30, 98, 193, 216, 177, 243) (31, 241, 230, 94, 169, 140) (32, 250, 245, 72, 170, 237) (33, 134, 37, 114, 45, 66) (34, 201, 197, 59, 167, 217) (35, 154, 128, 142, 97, 260) (38, 56, 164, 225, 232, 254) (39, 171, 246, 173, 62, 218) (40, 199, 107, 264, 81, 261) (42, 235, 233, 195, 202, 44) (47, 234, 224, 203, 220, 48) (50, 69, 204, 163, 268, 156) (51, 54, 145, 188, 158, 185) (52, 226, 121, 276, 109, 76) ([...]) , (1, 8, 210, 249) (2, 11, 16, 43) (3, 152, 89, 182) (4, 217, 124, 197) (5, 99, 143, 75) (6, 120, 41, 77) (7, 243, 118, 193) (9, 20, 137, 53) (10, 198, 228, 67) (12, 167, 236, 201) (13, 36, 64, 231) (15, 133, 247, 239) (17, 211) (18, 49) (21, 92, 108, 253) (22, 48, 87, 224) (23, 263, 149, 165) (24, 119, 147, 258) (25, 30, 255, 216) (26, 116, 150, 181) (27, 206, 138, 160) (28, 56, 126, 232) (29, 172, 212, 117) (31, 86, 94, 79) (32, 44, 72, 233) (33, 188, 114, 51) (34, 261, 59, 107) (35, 91, 142, 111) (37, 128, 66, 260) (38, 155, 225, 148) (39, 127, 173, 176) (40, 90, 264, 71) (42, 125, 195, 93) (45, 80, 134, 189) (46, 159, 221, 269) (47, 82, 203, 70) (50, 235, 163, 202) (52, 130, 276, 191) (54, 97, 158, 154) (57, 251) (60, 207, 139, 88) (61, 238, 103, 194) (62, 266, 171, 190) (63, 113, 192, 273) (65, 196) (68, 78, 135, 168) (69, 178, 268, 200) (73, 84) (74, 186, 259, 144) (76, 153, 121, 101) (81, 256, 199, 183) (83, 122) (85, 174) (95, 208) ([...]) , (1, 8, 210, 249) (2, 16) (3, 218, 107, 187) (4, 238, 120, 53) (5, 165, 121, 191) (6, 137, 197, 61) (7, 119, 29, 71) (9, 217, 103, 41) (10, 30, 232, 60) (11, 43) (12, 64, 100, 190) (13, 215, 266, 236) (14, 252, 248, 55) (15, 159, 224, 70) (17, 213, 196, 49) (18, 211, 257, 65) (19, 214) (20, 124, 194, 77) (21, 92, 108, 253) (22, 47, 133, 221) (23, 101, 52, 99) (24, 117, 264, 193) (25, 126, 88, 67) (26, 206, 63, 186) (27, 273, 74, 181) (28, 207, 198, 255) (31, 140, 275, 157) (32, 50, 178, 96) (33, 54, 91, 134) (34, 244, 152, 179) (35, 80, 51, 154) (36, 254, 171, 201) (37, 260, 66, 128) (38, 127, 81, 274) (39, 183, 98, 148) (40, 243, 147, 172) (42, 125, 195, 93) (44, 235, 268, 237) (45, 114, 158, 111) (46, 87, 203, 239) (48, 82, 247, 269) (56, 139, 228, 216) (57, 132, 95, 175) (58, 219) (59, 223, 182, 146) (62, 167, 231, 164) (68, 78, 135, 168) (69, 245, 233, 202) (72, 163, 200, 123) (73, 112) (75, 149, 153, 276) (76, 130, 143, 263) (79, 272, 131, 161) ([...]) , (1, 8, 210, 249) (2, 43, 16, 11) (3, 59, 89, 34) (4, 6, 124, 41) (5, 153, 143, 101) (7, 117, 118, 172) (9, 238, 137, 194) (10, 126, 228, 28) (12, 254, 236, 164) (13, 62, 64, 171) (14, 248) (15, 87, 247, 22) (17, 65) (18, 213) (20, 103, 53, 61) (21, 92, 108, 253) (23, 191, 149, 130) (24, 90, 147, 71) (25, 139, 255, 60) (26, 273, 150, 113) (27, 144, 138, 186) (29, 193, 212, 243) (30, 88, 216, 207) (31, 131, 94, 162) (32, 69, 72, 268) (33, 35, 114, 142) (36, 266, 231, 190) (37, 128, 66, 260) (38, 183, 225, 256) (39, 229, 173, 274) (40, 119, 264, 258) (42, 125, 195, 93) (44, 178, 233, 200) (45, 97, 134, 154) (46, 82, 221, 70) (47, 159, 203, 269) (48, 133, 224, 239) (49, 257) (50, 245, 163, 237) (51, 111, 188, 91) (52, 165, 276, 263) (54, 80, 158, 189) (55, 252) (56, 198, 232, 67) (57, 208) (63, 181, 192, 116) (68, 78, 135, 168)

(73, 84) (74, 160, 259, 206) (75, 76, 99, 121) (77, 217, 120, 197) (79, 265, 86, 275) (81, 148, 199, 155) (95, 251) ([...]) , (1, 15, 165, 21, 101, 269, 8, 87, 276, 92, 5, 47, 210, 247, 263, 108, 153, 159, 249, 22, 52, 253, 143, 203) (2, 50, 186, 156, 192, 44, 43, 245, 27, 250, 116, 178, 16, 163, 144, 204, 63, 233, 11, 237, 138, 170, 181, 200) (3, 98, 4, 60, 258, 13, 59, 176, 6, 25, 40, 62, 89, 177, 124, 139, 119, 64, 34, 127, 41, 255, 264, 171) (7, 261, 9, 38, 216, 201, 117, 152, 238, 183, 207, 215, 118, 107, 137, 225, 30, 167, 172, 182, 194, 256, 88, 100) (10, 53, 77, 223, 236, 190, 126, 61, 217, 246, 164, 36, 228, 20, 120, 244, 12, 266, 28, 103, 197, 218, 254, 231) (14, 205, 84, 55, 151, 102, 248, 112, 73, 252, 240, 267) (17, 57, 104, 95, 211, 213, 65, 208, 175, 251, 196, 18) (19, 85, 122, 214, 174, 83) (23, 220, 75, 46, 222, 133, 191, 166, 76, 82, 109, 224, 149, 234, 99, 221, 141, 239, 130, 110, 121, 70, 226, 48) (24, 193, 198, 39, 148, 187, 90, 212, 232, 229, 199, 146, 147, 243, 67, 173, 155, 242, 71, 29, 56, 274, 81, 179) (26, 32, 135, 235, 160, 195, 273, 69, 168, 96, 259, 93, 150, 72, 68, 202, 206, 42, 113, 268, 78, 123, 74, 125) ([...]) , (1, 15, 23, 92, 5, 82, 249, 22, 130, 21, 101, 46, 210, 247, 149, 253, 143, 70, 8, 87, 191, 108, 153, 221) (2, 163, 259, 250, 181, 268, 11, 245, 160, 156, 63, 72, 16, 50, 74, 170, 116, 69, 43, 237, 206, 204, 192, 32) (3, 9, 217, 25, 215, 266, 34, 194, 77, 60, 201, 36, 89, 137, 197, 255, 100, 190, 59, 238, 120, 139, 167, 231) (4, 223, 24, 62, 228, 229, 41, 218, 71, 13, 126, 39, 124, 244, 147, 171, 10, 274, 6, 246, 90, 64, 28, 173) (7, 232, 20, 183, 242, 254, 172, 198, 61, 38, 146, 12, 118, 56, 53, 256, 187, 164, 117, 67, 103, 225, 179, 236) (14, 112, 73, 252, 151, 102, 248, 205, 84, 55, 240, 267) (17, 18, 132, 251, 175, 49, 65, 213, 106, 95, 104, 257) (19, 85, 83, 214, 174, 122) (26, 44, 168, 96, 144, 42, 113, 200, 135, 235, 27, 93, 150, 233, 78, 123, 186, 195, 273, 178, 68, 202, 138, 125) (29, 107, 177, 148, 88, 264, 243, 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35, 241, 134, 161, 260) ([...]) , (1, 92, 249, 21, 210, 253, 8, 108) (2, 170, 11, 204, 16, 250, 43, 156) (3, 207, 34, 216, 89, 88, 59, 30) (4, 36, 41, 190, 124, 231, 6, 266) (5, 239, 101, 224, 143, 133, 153, 48) (7, 155, 172, 199, 118, 148, 117, 81) (9, 12, 194, 164, 137, 236, 238, 254) (10, 187, 28, 179, 228, 242, 126, 146) (13, 120, 171, 217, 64, 77, 62, 197) (14, 55, 248, 252) (15, 76, 22, 75, 247, 121, 87, 99) (17, 208, 65, 57) (18, 132, 213, 106) (19, 214) (20, 167, 61, 215, 53, 201, 103, 100) (23, 159, 130, 47, 149, 269, 191, 203) (24, 127, 71, 177, 147, 176, 90, 98) (25, 182, 60, 107, 255, 152, 139, 261) (26, 163, 113, 245, 150, 50, 273, 237) (27, 268, 186, 72, 138, 69, 144, 32) (29, 256, 243, 225, 212, 183, 193, 38) (31, 189, 162, 158, 94, 80, 131, 54) (33, 157, 142, 136, 114, 262, 35, 272) (37, 169, 260, 270, 66, 241, 128, 129) (39, 264, 274, 119, 173, 40, 229, 258) (42, 135, 93, 78, 195, 68, 125, 168) (44, 206, 200, 259, 233, 160, 178, 74) (45, 265, 154, 79, 134, 275, 97, 86) ([...]) , (1, 92, 249, 21, 210, 253, 8, 108) (2, 250, 11, 156, 16, 170, 43, 204) (3, 25, 34, 60, 89, 255, 59, 139) (4, 62, 41, 13, 124, 171, 6, 64) (5, 22, 101, 247, 143, 87, 153, 15) (7, 183, 172, 38, 118, 256, 117, 225) (9, 215, 194, 201, 137, 100, 238, 167) (10, 246, 28, 223, 228, 218, 126, 244) (12, 53, 164, 103, 236, 20, 254, 61) (14, 252, 248, 55) (17, 251, 65, 95) (18, 175, 213, 104) (19, 214) (23, 82, 130, 46, 149, 70, 191, 221) (24, 229, 71, 39, 147, 274, 90, 173) (26, 96, 113, 235, 150, 123, 273, 202) (27, 233, 186, 178, 138, 44, 144, 200) (29, 148, 243, 81, 212, 155, 193, 199) (30, 261, 207, 182, 216, 107, 88, 152) (31, 154, 162, 134, 94, 97, 131, 45) (32, 259, 268, 160, 72, 74, 69, 206) (33, 230, 142, 161, 114, 140, 35, 271) (36, 197, 190, 120, 231, 217, 266, 77) (37, 169, 260, 270, 66, 241, 128, 129) (40, 127, 258, 177, 264, 176, 119, 98) (42, 135, 93, 78, 195, 68, 125, 168) (47, 52, 269, 263, 203, 276, 159, 165) (48, 76, 239, 75, 224, 121, 133, 99) ([...]) , (1, 108, 8, 253, 210, 21, 249, 92) (2, 204, 43, 170, 16, 156, 11, 250) (3, 139, 59, 255, 89, 60, 34, 25) (4, 64, 6, 171, 124, 13, 41, 62) (5, 15, 153, 87, 143, 247, 101, 22) (7, 225, 117, 256, 118, 38, 172, 183) (9, 167, 238, 100, 137, 201, 194, 215) (10, 244, 126, 218, 228, 223, 28, 246) (12, 61, 254, 20, 236, 103, 164, 53) (14, 55, 248, 252) (17, 95, 65, 251) (18, 104, 213, 175) (19, 214) (23, 221, 191, 70, 149, 46, 130, 82) (24, 173, 90, 274, 147, 39, 71, 229) (26, 202, 273, 123, 150, 235, 113, 96) (27, 200, 144, 44, 138, 178, 186, 233) (29, 199, 193, 155, 212, 81, 243, 148) (30, 152, 88, 107, 216, 182, 207, 261) (31, 45, 131, 97, 94, 134, 162, 154) (32, 206, 69, 74, 72, 160, 268, 259) (33, 271, 35, 140, 114, 161, 142, 230) (36, 77, 266, 217, 231, 120, 190, 197) (37, 129, 128, 241, 66, 270, 260, 169) (40, 98, 119, 176, 264, 177, 258, 127) (42, 168, 125, 68, 195, 78, 93, 135) (47, 165, 159, 276, 203, 263, 269, 52) (48, 99, 133, 121, 224, 75, 239, 76) ([...]) , (1, 210) (2, 16) (3, 89) (4, 124) (5, 143) (6, 41) (7, 118) (8, 249) (9, 137) (10, 228) (11, 43) (12, 236) (13, 64) (15, 247) (20, 53) (21, 108) (22, 87) (23, 149) (24, 147) (25, 255) (26, 150) (27, 138) (28, 126) (29, 212) (30, 216) (31, 94) (32, 72) (33, 114) (34, 59) (35, 142) (36, 231) (37, 66) (38, 225) (39, 173) (40, 264) (42, 195) (44, 233) (45, 134) (46, 221) (47, 203) (48, 224) (50, 163) (51, 188) (52, 276) (54, 158) (56, 232) (60, 139) (61, 103) (62, 171) (63, 192) (67, 198) (68, 135) (69, 268) (70, 82) (71, 90) (74, 259) (75, 99) (76, 121) (77, 120) (78, 168) (79, 86) (80, 189) (81, 199) (88, 207) (91, 111) (92, 253) (93, 125) (96, 123) (97, 154) (98, 177) (100, 215) (101, 153) (105, 209) (107, 261) (109, 226) (110, 166) (113, 273) (115, 184) (116, 181) (117, 172) (119, 258) (127, 176) (128, 260) (129, 270) (130, 191) (131, 162) (133, 239) (136, 272) (140, 230) (141, 222) (144, 186) (145, 185) (146, 179) (148, 155) (152, 182) (156, 204) (157, 262) (159, 269) (160, 206) (161, 271) ([...]) , (1, 249, 210, 8) (2, 11, 16, 43) (3, 34, 89, 59) (4, 41, 124, 6) (5, 101, 143, 153) (7, 172, 118, 117) (9, 194, 137, 238) (10, 28, 228, 126) (12, 164, 236, 254) (13, 171, 64, 62) (14, 248) (15, 22, 247, 87) (17, 65) (18, 213) (20, 61, 53, 103) (21, 253, 108, 92) (23, 130, 149, 191) (24, 71, 147, 90) (25, 60, 255, 139) (26, 113, 150, 273) (27, 186, 138, 144) (29, 243, 212, 193) (30, 207, 216, 88) (31, 162, 94, 131) (32, 268, 72, 69) (33, 142, 114, 35) (36, 190, 231, 266) (37, 260, 66, 128) (38, 256, 225, 183) (39, 274, 173, 229) (40, 258, 264, 119) (42, 93, 195, 125) (44, 200, 233, 178) (45, 154, 134, 97) (46, 70, 221, 82) (47, 269, 203, 159) (48, 239, 224, 133) (49, 257) (50, 237, 163, 245) (51, 91, 188, 111) (52, 263, 276, 165) (54, 189, 158, 80) (55, 252) (56, 67, 232, 198) (57, 208) (63, 116, 192, 181) (68, 168, 135, 78) (73, 84) (74, 206, 259, 160) (75, 121, 99, 76) (77, 197, 120, 217) (79, 275, 86, 265) (81, 155, 199, 148) (95, 251) ([...]) , (1, 253, 249, 108, 210, 92, 8, 21) (2, 170, 11, 204, 16, 250, 43, 156) (3, 255, 34, 139, 89, 25, 59, 60) (4, 171, 41, 64, 124, 62, 6, 13) (5, 87, 101, 15, 143, 22, 153, 247) (7, 256, 172, 225, 118, 183, 117, 38) (9, 100, 194, 167, 137, 215, 238, 201) (10, 218, 28, 244, 228, 246, 126, 223) (12, 20, 164, 61, 236, 53, 254, 103) (14,

252, 248, 55) (17, 251, 65, 95) (18, 175, 213, 104) (19, 214) (23, 70, 130, 221, 149, 82, 191, 46) (24, 274, 71, 173, 147, 229, 90, 39) (26, 123, 113, 202, 150, 96, 273, 235) (27, 44, 186, 200, 138, 233, 144, 178) (29, 155, 243, 199, 212, 148, 193, 81) (30, 107, 207, 152, 216, 261, 88, 182) (31, 97, 162, 45, 94, 154, 131, 134) (32, 74, 268, 206, 72, 259, 69, 160) (33, 140, 142, 271, 114, 230, 35, 161) (36, 217, 190, 77, 231, 197, 266, 120) (37, 241, 260, 129, 66, 169, 128, 270) (40, 176, 258, 98, 264, 127, 119, 177) (42, 68, 93, 168, 195, 135, 125, 78) (47, 276, 269, 165, 203, 52, 159, 263) (48, 121, 239, 99, 224, 76, 133, 75) ([...]).

The character table of $G^{s_{31}}$:

	10										20									
$\chi_{31}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{31}^{(2)}$	1	-1	1	-1	-1	1	1	1	-1	1	-1	-1	1	1	-1	1	-1	1	1	-1
$\chi_{31}^{(3)}$	1	-1	1	-1	-1	1	1	1	-1	1	1	1	-1	-1	1	-1	1	-1	-1	1
$\chi_{31}^{(4)}$	1	1	1	1	1	1	1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1
$\chi_{31}^{(5)}$	1	A	-1	-A	A	-1	1	1	A	-1	A	-A	-1	1	-A	1	A	-1	-1	1
$\chi_{31}^{(6)}$	1	-A	-1	A	-A	-1	1	1	-A	-1	-A	A	-1	1	A	1	-A	-1	-1	-A
$\chi_{31}^{(7)}$	1	A	-1	-A	A	-1	1	1	A	-1	-A	A	1	-1	A	-1	-A	1	1	-A
$\chi_{31}^{(8)}$	1	-A	-1	A	-A	-1	1	1	-A	-1	A	-A	1	-1	-A	-1	A	1	1	-A
$\chi_{31}^{(9)}$	2	.	2	.	.	-1	-1	2	.	2	-1	-1	.	.	2	.	2	.	.	-1
$\chi_{31}^{(10)}$	2	.	2	.	.	-1	-1	2	.	2	1	1	.	.	-2	.	-2	.	.	1
$\chi_{31}^{(11)}$	2	.	-2	.	.	1	-1	2	.	-2	A	-A	.	.	C	.	-C	.	.	A
$\chi_{31}^{(12)}$	2	.	-2	.	.	1	-1	2	.	-2	-A	A	.	.	-C	.	C	.	.	-A
$\chi_{31}^{(13)}$	2	B	.	/B	.	A	1	.	-B	C	E	-/E	F	.	G	J	.	-F	.	-J
$\chi_{31}^{(14)}$	2	/B	.	B	.	-A	1	.	-/B	-C	-/E	E	F	.	-/G	-J	.	-F	.	J
$\chi_{31}^{(15)}$	2	B	.	/B	.	A	1	.	-B	C	-E	/E	-F	.	-G	-J	.	F	.	J
$\chi_{31}^{(16)}$	2	/B	.	B	.	-A	1	.	-/B	-C	/E	-E	-F	.	/G	J	.	F	.	-J
$\chi_{31}^{(17)}$	2	-B	.	-/B	.	A	1	.	B	C	E	-/E	-F	.	G	-J	.	F	.	J
$\chi_{31}^{(18)}$	2	-/B	.	-B	.	-A	1	.	/B	-C	-/E	E	-F	.	-/G	J	.	F	.	-J
$\chi_{31}^{(19)}$	2	-B	.	-/B	.	A	1	.	B	C	-E	/E	F	.	-G	J	.	-F	.	-J
$\chi_{31}^{(20)}$	2	-/B	.	-B	.	-A	1	.	/B	-C	/E	-E	F	.	/G	-J	.	-F	.	J
$\chi_{31}^{(21)}$	3	-1	-1	-1	1	.	.	-1	-1	3	.	.	-1	1	3	-1	-1	-1	1	-1
$\chi_{31}^{(22)}$	3	-1	-1	-1	1	.	.	-1	-1	3	.	.	1	-1	-3	1	1	1	-1	1
$\chi_{31}^{(23)}$	3	1	-1	1	-1	.	.	-1	1	3	.	.	-1	1	-3	-1	1	-1	1	-1
$\chi_{31}^{(24)}$	3	1	-1	1	-1	.	.	-1	1	3	.	.	1	-1	3	1	-1	1	-1	1
$\chi_{31}^{(25)}$	3	A	1	-A	-A	.	.	-1	A	-3	.	.	-1	-1	H	1	-A	-1	1	1
$\chi_{31}^{(26)}$	3	-A	1	A	A	.	.	-1	-A	-3	.	.	-1	-1	-H	1	A	-1	1	1
$\chi_{31}^{(27)}$	3	A	1	-A	-A	.	.	-1	A	-3	.	.	1	1	-H	-1	A	1	-1	-1
$\chi_{31}^{(28)}$	3	-A	1	A	A	.	.	-1	-A	-3	.	.	1	1	H	-1	-A	1	-1	-1
$\chi_{31}^{(29)}$	4	.	.	.	.	-A	-1	.	.	D	-E	/E	.	.	I	.	.	.	.	E
$\chi_{31}^{(30)}$	4	.	.	.	.	A	-1	.	.	-D	/E	-E	.	.	-/I	.	.	.	.	-/E
$\chi_{31}^{(31)}$	4	.	.	.	.	-A	-1	.	.	D	E	-/E	.	.	-I	.	.	.	.	-E
$\chi_{31}^{(32)}$	4	.	.	.	.	A	-1	.	.	-D	-/E	E	.	.	/I	.	.	.	.	/E

	10									
$\chi_{31}^{(1)}$	1	1	1	1	1	1	1	1	1	1
$\chi_{31}^{(2)}$	-1	1	-1	-1	-1	-1	-1	1	1	-1
$\chi_{31}^{(3)}$	-1	1	-1	1	1	1	1	1	1	1
$\chi_{31}^{(4)}$	1	1	1	-1	-1	-1	-1	1	1	-1
$\chi_{31}^{(5)}$	-A	-1	-A	-A	-A	A	-A	1	-1	A
$\chi_{31}^{(6)}$	A	-1	A	A	A	-A	A	1	-1	-A
$\chi_{31}^{(7)}$	-A	-1	-A	A	A	-A	A	1	-1	-A
$\chi_{31}^{(8)}$	A	-1	A	-A	-A	A	-A	1	-1	A
$\chi_{31}^{(9)}$	.	-1	.	-1	2	2	2	2	2	2
$\chi_{31}^{(10)}$	.	-1	.	1	-2	-2	-2	2	2	-2
$\chi_{31}^{(11)}$	.	1	.	-A	C	-C	C	2	-2	-C
$\chi_{31}^{(12)}$	.	1	.	A	-C	C	-C	2	-2	C
$\chi_{31}^{(13)}$	-/B	-A	.	/E	.	-/G	-G	-2	-C	/G
$\chi_{31}^{(14)}$	-B	A	.	-E	.	G	/G	-2	C	-G
$\chi_{31}^{(15)}$	-/B	-A	.	-/E	.	/G	G	-2	-C	-/G
$\chi_{31}^{(16)}$	-B	A	.	E	.	-G	-/G	-2	C	G
$\chi_{31}^{(17)}$	/B	-A	.	/E	.	-/G	-G	-2	-C	/G
$\chi_{31}^{(18)}$	B	A	.	-E	.	G	/G	-2	C	-G
$\chi_{31}^{(19)}$	/B	-A	.	-/E	.	/G	G	-2	-C	-/G
$\chi_{31}^{(20)}$	B	A	.	E	.	-G	-/G	-2	C	G
$\chi_{31}^{(21)}$	-1	.	1	.	-1	3	3	3	3	3
$\chi_{31}^{(22)}$	-1	.	1	.	1	-3	-3	3	3	-3
$\chi_{31}^{(23)}$	1	.	-1	.	1	-3	-3	3	3	-3
$\chi_{31}^{(24)}$	1	.	-1	.	-1	3	3	3	3	3
$\chi_{31}^{(25)}$	-A	.	A	.	A	-H	H	3	-3	-H
$\chi_{31}^{(26)}$	A	.	-A	.	-A	H	-H	3	-3	H
$\chi_{31}^{(27)}$	-A	.	A	.	-A	H	-H	3	-3	H
$\chi_{31}^{(28)}$	A	.	-A	.	A	-H	H	3	-3	-H
$\chi_{31}^{(29)}$	.	A	.	-/E	.	-/I	-I	-4	-D	/I
$\chi_{31}^{(30)}$	.	-A	.	E	.	I	/I	-4	D	-I
$\chi_{31}^{(31)}$	.	A	.	/E	.	/I	I	-4	-D	-/I
$\chi_{31}^{(32)}$	.	-A	.	-E	.	-I	-/I	-4	D	I

where $A = -E(4) = -ER(-1) = -i$; $B = -1-E(4) = -1-ER(-1) = -1-i$; $C = -2^*E(4) = -2^*ER(-1) = -2i$; $D = -4^*E(4) = -4^*ER(-1) = -4i$; $E = E(8)$; $F = -E(8)-E(8)^3 = -ER(-2) = -i2$; $G = -2^*E(8)^3$; $H = 3^*E(4) = 3^*ER(-1) = 3i$; $I = -4^*E(8)^3$; $J = -E(8)+E(8)^3 = -ER(2) = -r2$.

The generators of $G^{s_{32}}$ are:

(1, 94, 109, 262, 22, 271) (2, 173, 83, 18, 266, 97) (3, 267, 156, 42, 211, 21) (4, 235, 102, 73, 234, 52) (5, 246, 85) (6, 100, 93, 79, 181, 135) (7, 141, 189, 164, 197, 46) (8, 139, 162, 143, 264, 25) (9, 38, 131, 57, 177, 240) (10, 242, 174, 75, 59, 182) (11, 275, 86, 121, 208, 91) (12, 250, 122, 224, 98, 81) (13, 43, 125, 203, 89, 90) (14, 45, 204, 44, 29, 114) (15, 128, 210, 68, 77, 249) (16, 233, 80, 82, 127, 76) (17, 186, 226, 58, 151, 160) (19, 37, 112, 72, 214, 161) (20, 273, 154, 71, 258, 117) (23, 237) (24, 132, 256, 201, 47, 185) (26, 216, 119, 134, 61, 70) (27, 159, 49, 56, 124, 188) (28, 175, 41, 148, 243, 126) (30, 66, 69, 265, 272, 178) (31, 269, 270, 88, 136, 33) (32, 104, 232, 133, 142, 166) (35, 259, 187, 110, 227, 170) (36, 180, 238, 268, 67, 152) (39, 183, 172, 261, 221, 176) (40, 263, 103, 123, 145, 276) (48, 65, 220, 115, 108, 231) (50, 228) (51, 206) (53, 205, 169, 245, 217, 163) (54, 260, 140, 190, 207, 254) (55, 274, 153, 118, 60, 184)

(62, 106, 212, 247, 116, 213) (63, 257, 64) (74, 158, 195, 179, 95, 105) (78, 219, 167, 96, 107, 149) (84, 111, 165, 99, 130, 209) (87, 120, 225) (92, 138, 239, 199, 196, 253) (101, 191) (113, 255, 168, 252, 194, 223) (129, 192, 230, 251, 157, 193) (137, 215, 198, 150, 222, 229) (144, 218) (146, 244) (147, 248, 236, 171, 241, 155) , (2, 198) (3, 179) (4, 263) (6, 54) (8, 108) (9, 75) (10, 57) (11, 35) (12, 209) (13, 15) (14, 160) (16, 155) (17, 45) (18, 229) (19, 159) (20, 30) (21, 195) (23, 144) (25, 115) (26, 78) (27, 161) (28, 163) (29, 58) (32, 152) (36, 104) (37, 49) (38, 59) (39, 199) (40, 52) (41, 205) (42, 74) (43, 128) (44, 226) (48, 162) (51, 206) (53, 175) (55, 106) (56, 112) (60, 213) (61, 107) (62, 184) (63, 225) (64, 120) (65, 143) (66, 273) (67, 166) (68, 203) (69, 154) (70, 149) (71, 265) (72, 124) (73, 145) (76, 241) (77, 89) (79, 190) (80, 248) (81, 130) (82, 236) (83, 222) (84, 250) (86, 187) (87, 257) (90, 249) (91, 170) (92, 261) (93, 140) (95, 267) (96, 134) (97, 215) (98, 99) (100, 260) (101, 146) (102, 123) (103, 235) (105, 156) (110, 121) (111, 122) (113, 252) (114, 151) (116, 118) (117, 178) (119, 167) (125, 210) (126, 217) (127, 171) (131, 182) (133, 238) (135, 254) (137, 266) (138, 221) (139, 231) (142, 268) (147, 233) (148, 169) (150, 173) (153, 247) (158, 211) (165, 224) (168, 223) (172, 253) (174, 240) (176, 239) (177, 242) (180, 232) (181, 207) (183, 196) (186, 204) (188, 214) (191, 244) (194, 255) (200, 202) (208, 227) (212, 274) (216, 219) (218, 237) (220, 264) (234, 276) (243, 245) (258, 272) (259, 275) , (1, 12, 22, 98, 109, 122) (2, 83, 266) (3, 48, 211, 108, 156, 220) (4, 112, 234, 19, 102, 214) (5, 87, 246, 120, 85, 225) (6, 93, 181) (7, 184, 197, 118, 189, 274) (8, 61, 264, 119, 162, 26) (9, 133, 177, 104, 131, 166) (10, 175, 59, 126, 174, 148) (11, 91, 208, 121, 86, 275) (13, 16, 89, 127, 125, 80) (14, 276, 29, 123, 204, 263) (15, 273, 77, 117, 210, 71) (17, 27, 151, 124, 226, 49) (18, 97, 173) (20, 68, 258, 128, 154, 249) (21, 231, 42, 115, 267, 65) (23, 237) (24, 215, 47, 229, 256, 150) (25, 134, 143, 216, 139, 70) (28, 75, 243, 242, 41, 182) (30, 147, 272, 241, 69, 236) (31, 253, 136, 199, 270, 138) (32, 38, 142, 240, 232, 57) (33, 196, 88, 239, 269, 92) (34, 202) (35, 223, 227, 252, 187, 255) (36, 245, 67, 205, 238, 163) (37, 73, 161, 235, 72, 52) (39, 172, 221) (40, 114, 145, 44, 103, 45) (43, 233, 90, 76, 203, 82) (46, 60, 164, 153, 141, 55) (50, 146) (51, 144) (53, 180, 217, 152, 169, 268) (54, 129, 207, 157, 140, 230) (56, 186, 159, 160, 188, 58) (62, 212, 116) (63, 64, 257) (66, 248, 178, 155, 265, 171) (74, 219, 95, 149, 195, 96) (78, 179, 107, 158, 167, 105) (79, 135, 100) (81, 262, 224, 94, 250, 271) (84, 165, 130) (99, 209, 111) (106, 247, 213) (110, 168, 259, 113, 170, 194) (132, 198, 185, 137, 201, 222) (176, 183, 261) (190, 251, 260, 192, 254, 193) (206, 218) (228, 244) , (1, 13, 249, 262, 203, 210) (2, 18) (3, 79, 108, 42, 6, 65) (4, 121, 72, 73, 11, 19) (5, 120, 257) (7, 104, 152, 164, 142, 238) (8, 260, 105, 143, 207, 195) (9, 118, 245, 57, 55, 53) (10, 41, 62, 75, 126, 247) (12, 71, 82, 224, 20, 16) (14, 194, 17, 44, 255, 58) (15, 22, 89, 68, 94, 43) (21, 93, 115, 156, 135, 48) (23, 206, 218, 237, 51, 144) (24, 185, 47, 201, 256, 132) (25, 54, 95, 162, 190, 158) (26, 149, 129, 134, 167, 251) (27, 110, 276, 56, 35, 103) (28, 116, 242, 148, 106, 59) (29, 168, 151, 45, 223, 186) (30, 84, 241, 265, 99, 248) (31, 92, 172, 88, 199, 176) (32, 67, 189, 133, 180, 46) (33, 253, 183, 270, 239, 221) (36, 197, 166, 268, 141, 232) (37, 235, 208, 214, 234, 275) (38, 60, 217, 177, 274, 205) (39, 269, 138, 261, 136, 196) (40, 124, 259, 123, 159, 227) (49, 170, 263, 188, 187, 145) (50, 228) (52, 86, 112, 102, 91, 161) (61, 96, 157, 216, 78, 192) (63, 85, 87) (64, 246, 225) (66, 111, 155, 272, 130, 236) (69, 165, 147, 178, 209, 171) (70, 107, 193, 119, 219, 230) (74, 264, 254, 179, 139, 140) (76, 81, 154, 80, 122, 117) (77, 109, 125, 128, 271, 90) (83, 97) (98, 273, 233, 250, 258, 127) (100, 220, 267, 181, 231, 211) (101, 191) (113, 226, 114, 252, 160, 204) (131, 184, 163, 240, 153, 169) (137, 215, 198, 150, 222, 229) (146, 244) (173, 266) (174, 243, 212, 182, 175, 213).

The representatives of conjugacy classes of $G^{s_{32}}$ are:

() , (2, 198) (3, 179) (4, 263) (6, 54) (8, 108) (9, 75) (10, 57) (11, 35) (12, 209) (13, 15) (14, 160) (16, 155) (17, 45) (18, 229) (19, 159) (20, 30) (21, 195) (23, 144) (25, 115) (26, 78) (27, 161) (28, 163) (29, 58) (32, 152) (36, 104) (37, 49) (38, 59) (39, 199) (40, 52) (41, 205) (42, 74) (43, 128) (44, 226) (48, 162) (51, 206) (53, 175) (55, 106) (56, 112) (60, 213) (61, 107) (62, 184) (63, 225) (64, 120) (65, 143) (66, 273) (67, 166) (68, 203) (69, 154) (70, 149) (71, 265) (72, 124) (73, 145) (76, 241) (77, 89) (79, 190) (80, 248) (81, 130) (82, 236) (83, 222) (84, 250) (86, 187) (87, 257) (90, 249) (91, 170) (92, 261) (93, 140) (95, 267) (96, 134) (97, 215) (98, 99) (100, 260) (101, 146) (102, 123) (103, 235) (105, 156) (110, 121) (111, 122) (113, 252) (114,

151) (116, 118) (117, 178) (119, 167) (125, 210) (126, 217) (127, 171) (131, 182) (133, 238) (135, 254) (137, 266) (138, 221) (139, 231) (142, 268) (147, 233) (148, 169) (150, 173) (153, 247) (158, 211) (165, 224) (168, 223) (172, 253) ([...]) , (1, 12, 22, 98, 109, 122) (2, 83, 266) (3, 48, 211, 108, 156, 220) (4, 112, 234, 19, 102, 214) (5, 87, 246, 120, 85, 225) (6, 93, 181) (7, 184, 197, 118, 189, 274) (8, 61, 264, 119, 162, 26) (9, 133, 177, 104, 131, 166) (10, 175, 59, 126, 174, 148) (11, 91, 208, 121, 86, 275) (13, 16, 89, 127, 125, 80) (14, 276, 29, 123, 204, 263) (15, 273, 77, 117, 210, 71) (17, 27, 151, 124, 226, 49) (18, 97, 173) (20, 68, 258, 128, 154, 249) (21, 231, 42, 115, 267, 65) (23, 237) (24, 215, 47, 229, 256, 150) (25, 134, 143, 216, 139, 70) (28, 75, 243, 242, 41, 182) (30, 147, 272, 241, 69, 236) (31, 253, 136, 199, 270, 138) (32, 38, 142, 240, 232, 57) (33, 196, 88, 239, 269, 92) (34, 202) (35, 223, 227, 252, 187, 255) (36, 245, 67, 205, 238, 163) (37, 73, 161, 235, 72, 52) (39, 172, 221) (40, 114, 145, 44, 103, 45) (43, 233, 90, 76, 203, 82) (46, 60, 164, 153, 141, 55) (50, 146) (51, 144) (53, 180, 217, 152, 169, 268) (54, 129, 207, 157, 140, 230) ([...]) , (1, 12, 111) (2, 185, 137) (3, 107, 264) (4, 14, 188) (5, 87, 63) (6, 129, 207) (7, 184, 212) (8, 156, 78) (9, 243, 67) (10, 32, 169) (11, 223, 259) (13, 273, 248) (15, 16, 265) (17, 40, 37) (18, 256, 150) (19, 160, 276) (20, 147, 90) (21, 96, 143) (22, 98, 209) (23, 51, 218) (24, 215, 173) (25, 267, 149) (26, 179, 48) (27, 235, 45) (28, 36, 131) (29, 56, 234) (30, 68, 82) (31, 253, 221) (33, 196, 261) (34, 202, 200) (35, 91, 194) (38, 126, 152) (39, 270, 138) (41, 238, 177) (42, 219, 139) (43, 154, 236) (44, 49, 73) (46, 60, 106) (47, 229, 97) (50, 146, 101) (52, 114, 124) (53, 59, 142) (54, 93, 230) (55, 247, 141) (57, 175, 180) (58, 123, 214) (61, 158, 108) (62, 197, 118) (64, 85, 225) (65, 216, 95) (66, 77, 127) (69, 249, 76) (70, 195, 231) (71, 171, 125) (72, 226, 103) (74, 115, 134) (75, 133, 163) (79, 251, 260) (80, 178, 210) (81, 84, 271) (83, 132, 198) (86, 255, 110) (88, 239, 183) (89, 117, 155) (92, 176, 269) (94, 250, 165) (99, 109, 122) ([...]) , (1, 13, 249, 262, 203, 210) (2, 18) (3, 79, 108, 42, 6, 65) (4, 121, 72, 73, 11, 19) (5, 120, 257) (7, 104, 152, 164, 142, 238) (8, 260, 105, 143, 207, 195) (9, 118, 245, 57, 55, 53) (10, 41, 62, 75, 126, 247) (12, 71, 82, 224, 20, 16) (14, 194, 17, 44, 255, 58) (15, 22, 89, 68, 94, 43) (21, 93, 115, 156, 135, 48) (23, 206, 218, 237, 51, 144) (24, 185, 47, 201, 256, 132) (25, 54, 95, 162, 190, 158) (26, 149, 129, 134, 167, 251) (27, 110, 276, 56, 35, 103) (28, 116, 242, 148, 106, 59) (29, 168, 151, 45, 223, 186) (30, 84, 241, 265, 99, 248) (31, 92, 172, 88, 199, 176) (32, 67, 189, 133, 180, 46) (33, 253, 183, 270, 239, 221) (36, 197, 166, 268, 141, 232) (37, 235, 208, 214, 234, 275) (38, 60, 217, 177, 274, 205) (39, 269, 138, 261, 136, 196) (40, 124, 259, 123, 159, 227) (49, 170, 263, 188, 187, 145) (50, 228) (52, 86, 112, 102, 91, 161) (61, 96, 157, 216, 78, 192) (63, 85, 87) (64, 246, 225) (66, 111, 155, 272, 130, 236) (69, 165, 147, 178, 209, 171) ([...]) , (1, 13, 22, 89, 109, 125) (2, 150, 266, 215, 83, 229) (3, 139, 211, 25, 156, 143) (4, 188, 234, 56, 102, 159) (5, 120, 246, 225, 85, 87) (6, 95, 181, 195, 93, 74) (7, 104, 197, 166, 189, 133) (8, 42, 264, 267, 162, 21) (9, 126, 177, 148, 131, 175) (10, 55, 59, 60, 174, 153) (11, 103, 208, 40, 86, 145) (12, 171, 98, 248, 122, 155) (14, 204, 29) (15, 249, 77, 68, 210, 128) (16, 272, 127, 69, 80, 30) (17, 223, 151, 252, 226, 255) (18, 137, 173, 222, 97, 198) (19, 227, 214, 187, 112, 35) (20, 84, 258, 130, 154, 165) (24, 185, 47, 201, 256, 132) (26, 192, 61, 193, 119, 251) (27, 52, 124, 73, 49, 235) (28, 240, 243, 57, 41, 38) (31, 92, 136, 196, 270, 239) (32, 164, 142, 141, 232, 46) (33, 253, 88, 199, 269, 138) (36, 152, 67, 268, 238, 180) (37, 170, 161, 110, 72, 259) (39, 176, 221, 261, 172, 183) (43, 271, 90, 262, 203, 94) (44, 114, 45) (48, 190, 108, 260, 220, 254) (50, 228) (51, 218) (53, 213, 217, 247, 169, 106) (54, 65, 207, 231, 140, 115) ([...]) , (1, 16, 241, 262, 82, 248) (2, 24, 137, 18, 201, 150) (3, 70, 207, 42, 119, 260) (4, 58, 259, 73, 17, 227) (5, 85, 246) (6, 149, 158, 79, 167, 95) (7, 131, 59, 164, 240, 242) (8, 115, 129, 143, 48, 251) (9, 174, 141, 57, 182, 197) (10, 46, 38, 75, 189, 177) (11, 45, 103, 121, 29, 276) (12, 66, 90, 224, 272, 125) (13, 98, 178, 203, 250, 69) (14, 263, 86, 44, 145, 91) (15, 20, 165, 68, 71, 209) (19, 252, 49, 72, 113, 188) (21, 61, 190, 156, 216, 54) (22, 127, 236, 94, 233, 155) (23, 237) (25, 220, 193, 162, 231, 230) (26, 254, 211, 134, 140, 267) (27, 37, 194, 56, 214, 255) (28, 232, 60, 148, 166, 274) (30, 89, 122, 265, 43, 81) (31, 33, 136, 88, 270, 269) (32, 153, 175, 133, 184, 243) (34, 202, 200) (35, 102, 160, 110, 52, 226) (36, 169, 247, 268, 163, 62) (39, 183, 172, 261, 221, 176) (40, 275, 204, 123, 208, 114) (41, 142, 55, 126, 104, 118) (47, 222, 173, 132, 215, 266) (50, 244, 101, 228, 146, 191) (51, 206) (53, 106, 180, 245, 116, 67) ([...]) , (1, 20, 69) (2, 132, 137) (3, 230, 158) (4, 255, 103) (5, 63, 120) (6, 26, 264) (7, 169, 126) (8, 93, 119) (9, 213, 104) (10, 180, 118) (11, 151, 188) (12, 236, 68) (13, 127, 130) (14, 170, 37) (15, 224, 155) (16,

84, 125) (17, 159, 86) (18, 47, 150) (19, 114, 227) (21, 192, 74) (22, 258, 30) (23, 218, 51) (24, 229, 97) (25, 100, 216) (27, 275, 160) (28, 141, 245) (29, 110, 161) (31, 221, 199) (32, 240, 116) (33, 261, 239) (34, 202, 200) (35, 112, 45) (36, 153, 182) (38, 62, 232) (39, 253, 270) (40, 234, 223) (41, 164, 163) (42, 193, 95) (43, 76, 209) (44, 187, 214) (46, 205, 243) (48, 167, 54) (49, 121, 186) (50, 146, 101) (52, 113, 263) (53, 148, 197) (55, 75, 67) (56, 208, 226) (57, 212, 142) (58, 124, 91) (59, 152, 274) (60, 242, 238) (61, 162, 181) (64, 87, 85) (65, 96, 260) (66, 271, 117) (70, 143, 135) (71, 178, 262) (72, 204, 259) (73, 194, 276) (77, 250, 171) (78, 207, 108) (79, 134, 139) (80, 165, 89) (81, 248, 210) (82, 99, 90) (83, 201, 198) ([...]) , (1, 22, 109) (2, 137, 83, 198, 266, 222) (3, 158, 156, 179, 211, 105) (4, 276, 102, 263, 234, 123) (5, 246, 85) (6, 207, 93, 54, 181, 140) (7, 197, 189) (8, 220, 162, 108, 264, 48) (9, 242, 131, 75, 177, 182) (10, 38, 174, 57, 59, 240) (11, 227, 86, 35, 208, 187) (12, 99, 122, 209, 98, 111) (13, 77, 125, 15, 89, 210) (14, 58, 204, 160, 29, 186) (16, 171, 80, 155, 127, 248) (17, 114, 226, 45, 151, 44) (18, 150, 97, 229, 173, 215) (19, 188, 112, 159, 214, 56) (20, 272, 154, 30, 258, 69) (21, 74, 267, 195, 42, 95) (23, 144) (24, 47, 256) (25, 65, 139, 115, 143, 231) (26, 107, 119, 78, 61, 167) (27, 72, 49, 161, 124, 37) (28, 245, 41, 163, 243, 205) (31, 136, 270) (32, 268, 232, 152, 142, 180) (33, 88, 269) (36, 166, 238, 104, 67, 133) (39, 138, 172, 199, 221, 253) (40, 73, 103, 52, 145, 235) (43, 249, 203, 128, 90, 68) (46, 164, 141) (51, 206) (53, 126, 169, 175, 217, 148) (55, 213, 153, 106, 60, 247) (62, 118, 212, 184, 116, 274) (63, 87, 64, 225, 257, 120) ([...]) , (1, 22, 109) (2, 266, 83) (3, 211, 156) (4, 234, 102) (5, 246, 85) (6, 181, 93) (7, 197, 189) (8, 264, 162) (9, 177, 131) (10, 59, 174) (11, 208, 86) (12, 98, 122) (13, 89, 125) (14, 29, 204) (15, 77, 210) (16, 127, 80) (17, 151, 226) (18, 173, 97) (19, 214, 112) (20, 258, 154) (21, 42, 267) (24, 47, 256) (25, 143, 139) (26, 61, 119) (27, 124, 49) (28, 243, 41) (30, 272, 69) (31, 136, 270) (32, 142, 232) (33, 88, 269) (35, 227, 187) (36, 67, 238) (37, 161, 72) (38, 240, 57) (39, 221, 172) (40, 145, 103) (43, 90, 203) (44, 45, 114) (46, 164, 141) (48, 108, 220) (52, 73, 235) (53, 217, 169) (54, 207, 140) (55, 60, 153) (56, 159, 188) (58, 186, 160) (62, 116, 212) (63, 257, 64) (65, 231, 115) (66, 178, 265) (68, 128, 249) (70, 134, 216) (71, 273, 117) (74, 95, 195) (75, 242, 182) (76, 82, 233) (78, 107, 167) (79, 100, 135) (81, 224, 250) (84, 130, 165) (87, 120, 225) (91, 121, 275) (92, 196, 239) (94, 271, 262) (96, 219, 149) (99, 111, 209) (104, 166, 133) ([...]) , (1, 43, 128) (2, 266, 83) (3, 181, 48) (4, 208, 161) (5, 225, 63) (6, 220, 156) (7, 232, 180) (8, 140, 158) (9, 60, 163) (10, 148, 212) (11, 37, 102) (12, 258, 76) (13, 15, 271) (14, 223, 226) (16, 250, 117) (17, 29, 252) (18, 173, 97) (19, 235, 91) (20, 233, 122) (21, 79, 231) (22, 90, 249) (23, 51, 218) (25, 260, 74) (26, 78, 230) (27, 227, 263) (28, 213, 75) (30, 111, 147) (31, 138, 221) (32, 152, 197) (33, 92, 261) (35, 123, 49) (36, 46, 104) (38, 184, 53) (39, 270, 199) (40, 188, 110) (41, 106, 182) (42, 100, 115) (44, 168, 160) (45, 113, 58) (52, 121, 214) (54, 105, 264) (55, 205, 131) (56, 259, 145) (57, 274, 169) (59, 175, 62) (61, 107, 129) (64, 85, 120) (65, 267, 135) (66, 165, 248) (67, 164, 166) (68, 109, 203) (69, 99, 236) (70, 149, 192) (71, 127, 81) (72, 234, 86) (73, 275, 112) (77, 262, 89) (80, 224, 273) (82, 98, 154) (84, 155, 178) (87, 257, 246) (88, 196, 183) (93, 108, 211) (94, 125, 210) (95, 143, 254) (96, 193, 134) (103, 159, 170) ([...]) , (1, 66, 258, 262, 272, 273) (2, 229, 185, 18, 198, 256) (3, 74, 129, 42, 179, 251) (4, 263, 223, 73, 145, 168) (5, 87, 257) (6, 143, 61, 79, 8, 216) (7, 243, 53, 164, 175, 245) (9, 32, 247, 57, 133, 62) (10, 153, 152, 75, 184, 238) (11, 124, 226, 121, 159, 160) (12, 210, 147, 224, 249, 171) (13, 99, 80, 203, 84, 76) (14, 19, 110, 44, 72, 35) (15, 241, 250, 68, 248, 98) (16, 43, 130, 82, 89, 111) (17, 275, 188, 58, 208, 49) (20, 271, 30, 71, 109, 265) (21, 105, 193, 156, 195, 230) (22, 178, 154, 94, 69, 117) (23, 206, 218, 237, 51, 144) (24, 266, 150, 201, 173, 137) (25, 26, 135, 162, 134, 93) (27, 151, 91, 56, 186, 86) (28, 169, 46, 148, 163, 189) (29, 214, 259, 45, 37, 227) (31, 239, 172, 88, 253, 176) (33, 138, 183, 270, 196, 221) (34, 200, 202) (36, 59, 55, 268, 242, 118) (38, 104, 116, 177, 142, 106) (39, 269, 199, 261, 136, 92) (40, 194, 102, 123, 255, 52) (41, 217, 141, 126, 205, 197) (47, 83, 215, 132, 97, 222) (48, 254, 78, 115, 140, 96) ([...]) , (1, 66) (2, 256) (3, 251) (4, 223) (5, 87) (6, 219) (7, 243) (8, 190) (9, 184) (10, 133) (11, 14) (12, 127) (13, 241) (15, 99) (16, 122) (17, 37) (18, 185) (19, 160) (20, 71) (21, 230) (22, 178) (24, 266) (25, 140) (26, 115) (27, 187) (28, 189) (29, 208) (30, 271) (31, 239) (32, 75) (33, 138) (34, 200) (35, 124) (36, 116) (38, 55) (39, 261) (41, 197) (42, 129) (43, 155) (44, 121) (45, 275) (46, 148) (47, 83) (48, 134) (49, 227) (50, 191) (51, 218) (52, 194) (53, 245) (54, 143) (56, 170) (57, 153) (58, 214) (59, 104) (60, 240) (61, 65) (62, 238) (67, 212) (68, 84) (69, 94) (70, 220) (72, 226) (73, 168) (74,

179) (76, 250) (77, 111) (78, 135) (79, 107) (80, 98) (81, 82) (85, 225) (86, 204) (88, 253) (89, 236) (90, 171)
 (91, 114) (92, 136) (93, 96) (95, 158) (97, 132) (100, 167) (101, 228) (102, 255) (105, 195) (106, 268) (108,
 216) (109, 265) (110, 159) (112, 186) (113, 235) (117, 154) (118, 177) (119, 231) (120, 246) (125, 147) (126,
 141) (128, 130) (131, 274) (137, 150) (139, 207) ([...]) , (1, 76, 236) (2, 185, 222) (3, 61, 140) (4, 226, 170)
 (5, 246, 85) (6, 107, 105) (7, 38, 174) (8, 220, 157) (9, 242, 46) (10, 197, 240) (11, 14, 40) (12, 30, 203) (13,
 224, 265) (15, 117, 84) (16, 171, 94) (17, 110, 234) (18, 256, 215) (19, 168, 27) (20, 111, 128) (21, 134, 260)
 (22, 82, 147) (24, 229, 173) (25, 65, 251) (26, 207, 156) (28, 104, 153) (29, 145, 208) (31, 136, 270) (32, 274,
 126) (33, 88, 269) (34, 202, 200) (35, 235, 58) (36, 205, 106) (37, 252, 159) (41, 133, 60) (42, 216, 254) (43,
 98, 272) (44, 123, 121) (45, 263, 275) (47, 150, 97) (48, 230, 264) (49, 112, 194) (50, 146, 101) (52, 186, 227)
 (53, 62, 152) (54, 211, 119) (55, 243, 166) (56, 72, 223) (57, 59, 189) (66, 89, 250) (67, 163, 213) (68, 154,
 99) (69, 90, 122) (70, 190, 267) (71, 130, 77) (73, 160, 187) (74, 100, 149) (75, 141, 131) (78, 158, 93) (79,
 219, 195) (80, 155, 262) (81, 178, 125) (83, 132, 137) (86, 204, 103) (87, 225, 120) (91, 114, 276) (92, 239,
 196) (95, 135, 96) ([...]) , (1, 80, 109, 127, 22, 16) (2, 173, 83, 18, 266, 97) (3, 100, 156, 79, 211, 135) (4,
 208, 102, 11, 234, 86) (5, 246, 85) (6, 267, 93, 42, 181, 21) (7, 177, 189, 9, 197, 131) (8, 251, 162, 193, 264,
 192) (10, 242, 174, 75, 59, 182) (12, 210, 122, 77, 98, 15) (13, 154, 125, 258, 89, 20) (14, 170, 204, 259, 29,
 110) (17, 145, 226, 40, 151, 103) (19, 214, 112) (23, 218) (24, 198, 256, 222, 47, 137) (25, 230, 139, 157, 143,
 129) (26, 95, 119, 74, 61, 195) (27, 194, 49, 113, 124, 168) (28, 212, 41, 116, 243, 62) (30, 130, 69, 84, 272,
 165) (31, 269, 270, 88, 136, 33) (32, 245, 232, 163, 142, 205) (34, 202) (35, 44, 187, 114, 227, 45) (36, 184,
 238, 274, 67, 118) (37, 161, 72) (38, 46, 57, 141, 240, 164) (39, 239, 172, 196, 221, 92) (43, 71, 203, 117, 90,
 273) (48, 65, 220, 115, 108, 231) (50, 244) (52, 121, 235, 91, 73, 275) (53, 166, 169, 104, 217, 133) (54, 219,
 140, 96, 207, 149) (55, 268, 153, 152, 60, 180) (56, 255, 188, 252, 159, 223) ([...]) , (1, 81, 209, 262, 122,
 165) (2, 47, 222, 18, 132, 215) (3, 96, 162, 42, 78, 25) (4, 114, 56, 73, 204, 27) (5, 225, 257) (6, 193, 140, 79,
 230, 254) (7, 60, 62, 164, 274, 247) (8, 267, 107, 143, 211, 219) (9, 148, 238, 57, 28, 152) (10, 166, 53, 75,
 232, 245) (11, 194, 170, 121, 255, 187) (12, 84, 22, 224, 99, 94) (13, 20, 155, 203, 71, 236) (14, 124, 234, 44,
 159, 235) (15, 76, 66, 68, 80, 272) (16, 69, 77, 82, 178, 128) (17, 276, 161, 58, 103, 112) (19, 151, 123, 72,
 186, 40) (21, 167, 139, 156, 149, 264) (23, 206, 218, 237, 51, 144) (24, 137, 97, 201, 150, 83) (26, 195, 108,
 134, 105, 65) (29, 49, 102, 45, 188, 52) (30, 210, 233, 265, 249, 127) (31, 196, 172, 88, 138, 176) (32, 205, 59,
 133, 217, 242) (33, 199, 183, 270, 92, 221) (34, 202, 200) (35, 208, 168, 110, 275, 223) (36, 38, 243, 268, 177,
 175) (37, 160, 145, 214, 226, 263) (39, 269, 253, 261, 136, 239) (41, 180, 131, 126, 67, 240) (43, 273, 147, 89,
 258, 171) (46, 118, 213, 189, 55, 212) ([...]) , (1, 94, 109, 262, 22, 271) (2, 173, 83, 18, 266, 97) (3, 267,
 156, 42, 211, 21) (4, 235, 102, 73, 234, 52) (5, 246, 85) (6, 100, 93, 79, 181, 135) (7, 141, 189, 164, 197, 46)
 (8, 139, 162, 143, 264, 25) (9, 38, 131, 57, 177, 240) (10, 242, 174, 75, 59, 182) (11, 275, 86, 121, 208, 91)
 (12, 250, 122, 224, 98, 81) (13, 43, 125, 203, 89, 90) (14, 45, 204, 44, 29, 114) (15, 128, 210, 68, 77, 249) (16,
 233, 80, 82, 127, 76) (17, 186, 226, 58, 151, 160) (19, 37, 112, 72, 214, 161) (20, 273, 154, 71, 258, 117) (23,
 237) (24, 132, 256, 201, 47, 185) (26, 216, 119, 134, 61, 70) (27, 159, 49, 56, 124, 188) (28, 175, 41, 148, 243,
 126) (30, 66, 69, 265, 272, 178) (31, 269, 270, 88, 136, 33) (32, 104, 232, 133, 142, 166) (35, 259, 187, 110,
 227, 170) (36, 180, 238, 268, 67, 152) (39, 183, 172, 261, 221, 176) (40, 263, 103, 123, 145, 276) (48, 65, 220,
 115, 108, 231) (50, 228) (51, 206) (53, 205, 169, 245, 217, 163) (54, 260, 140, 190, 207, 254) ([...]) , (1,
 109, 22) (2, 83, 266) (3, 156, 211) (4, 102, 234) (5, 85, 246) (6, 93, 181) (7, 189, 197) (8, 162, 264) (9, 131,
 177) (10, 174, 59) (11, 86, 208) (12, 122, 98) (13, 125, 89) (14, 204, 29) (15, 210, 77) (16, 80, 127) (17, 226,
 151) (18, 97, 173) (19, 112, 214) (20, 154, 258) (21, 267, 42) (24, 256, 47) (25, 139, 143) (26, 119, 61) (27,
 49, 124) (28, 41, 243) (30, 69, 272) (31, 270, 136) (32, 232, 142) (33, 269, 88) (35, 187, 227) (36, 238, 67)
 (37, 72, 161) (38, 57, 240) (39, 172, 221) (40, 103, 145) (43, 203, 90) (44, 114, 45) (46, 141, 164) (48, 220,
 108) (52, 235, 73) (53, 169, 217) (54, 140, 207) (55, 153, 60) (56, 188, 159) (58, 160, 186) (62, 212, 116) (63,
 64, 257) (65, 115, 231) (66, 265, 178) (68, 249, 128) (70, 216, 134) (71, 117, 273) (74, 195, 95) (75, 182, 242)
 (76, 233, 82) (78, 167, 107) (79, 135, 100) (81, 250, 224) (84, 165, 130) (87, 225, 120) (91, 275, 121) (92, 239,
 196) (94, 262, 271) (96, 149, 219) (99, 209, 111) (104, 133, 166) ([...]) , (1, 262) (2, 18) (3, 42) (4, 73) (6,

79) (7, 164) (8, 143) (9, 57) (10, 75) (11, 121) (12, 224) (13, 203) (14, 44) (15, 68) (16, 82) (17, 58) (19, 72) (20, 71) (21, 156) (22, 94) (23, 237) (24, 201) (25, 162) (26, 134) (27, 56) (28, 148) (29, 45) (30, 265) (31, 88) (32, 133) (33, 270) (35, 110) (36, 268) (37, 214) (38, 177) (39, 261) (40, 123) (41, 126) (43, 89) (46, 189) (47, 132) (48, 115) (49, 188) (50, 228) (51, 206) (52, 102) (53, 245) (54, 190) (55, 118) (59, 242) (60, 274) (61, 216) (62, 247) (65, 108) (66, 272) (67, 180) (69, 178) (70, 119) (74, 179) (76, 80) (77, 128) (78, 96) (81, 122) (83, 97) (84, 99) (86, 91) (90, 125) (92, 199) (93, 135) (95, 158) (98, 250) (100, 181) (101, 191) (103, 276) (104, 142) (105, 195) (106, 116) (107, 219) (109, 271) (111, 130) (112, 161) (113, 252) (114, 204) (117, 154) (124, 159) (127, 233) (129, 251) (131, 240) (136, 269) (137, 150) (138, 196) (139, 264) (140, 254) (141, 197) (144, 218) (145, 263) (146, 244) (147, 171) (149, 167) (151, 186) ([...]) , (1, 271, 22, 262, 109, 94) (2, 97, 266, 18, 83, 173) (3, 21, 211, 42, 156, 267) (4, 52, 234, 73, 102, 235) (5, 85, 246) (6, 135, 181, 79, 93, 100) (7, 46, 197, 164, 189, 141) (8, 25, 264, 143, 162, 139) (9, 240, 177, 57, 131, 38) (10, 182, 59, 75, 174, 242) (11, 91, 208, 121, 86, 275) (12, 81, 98, 224, 122, 250) (13, 90, 89, 203, 125, 43) (14, 114, 29, 44, 204, 45) (15, 249, 77, 68, 210, 128) (16, 76, 127, 82, 80, 233) (17, 160, 151, 58, 226, 186) (19, 161, 214, 72, 112, 37) (20, 117, 258, 71, 154, 273) (23, 237) (24, 185, 47, 201, 256, 132) (26, 70, 61, 134, 119, 216) (27, 188, 124, 56, 49, 159) (28, 126, 243, 148, 41, 175) (30, 178, 272, 265, 69, 66) (31, 33, 136, 88, 270, 269) (32, 166, 142, 133, 232, 104) (35, 170, 227, 110, 187, 259) (36, 152, 67, 268, 238, 180) (39, 176, 221, 261, 172, 183) (40, 276, 145, 123, 103, 263) (48, 231, 108, 115, 220, 65) (50, 228) (51, 206) (53, 163, 217, 245, 169, 205) (54, 254, 207, 190, 140, 260) ([...]) .

The character table of $G^{s_{32}}$:

	10										20									
$\chi_{32}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{32}^{(2)}$	1	-1	-1	1	-1	1	-1	1	-1	1	1	-1	1	1	-1	-1	1	-1	-1	-1
$\chi_{32}^{(3)}$	1	-1	-1	1	1	-1	1	1	-1	1	1	1	-1	1	-1	1	1	1	1	1
$\chi_{32}^{(4)}$	1	1	1	1	-1	-1	-1	1	1	1	1	-1	-1	1	-1	-1	1	-1	-1	-1
$\chi_{32}^{(5)}$	2	.	.	-1	2	.	-1	-1	.	2	2	-1	.	-1	.	-1	2	2	2	2
$\chi_{32}^{(6)}$	2	.	.	-1	-2	.	1	-1	.	2	2	1	.	-1	.	1	-2	2	-2	-2
$\chi_{32}^{(7)}$	2	.	.	2	-1	.	-1	-1	.	2	-1	-1	.	-1	.	2	2	2	2	2
$\chi_{32}^{(8)}$	2	.	.	2	1	.	1	-1	.	2	-1	1	.	-1	.	-2	-2	2	-2	-2
$\chi_{32}^{(9)}$	2	.	.	-1	-1	.	-1	2	.	2	-1	2	.	-1	.	-1	2	2	2	2
$\chi_{32}^{(10)}$	2	.	.	-1	-1	.	2	-1	.	2	-1	-1	.	2	.	-1	2	2	2	2
$\chi_{32}^{(11)}$	2	.	.	-1	1	.	-2	-1	.	2	-1	1	.	2	.	1	-2	2	-2	-2
$\chi_{32}^{(12)}$	2	.	.	-1	1	.	1	2	.	2	-1	-2	.	-1	.	1	-2	2	-2	-2
$\chi_{32}^{(13)}$	3	-1	A	.	.	A	.	.	/A	B	.	.	-1	.	/A	.	B	/B	3	/B
$\chi_{32}^{(14)}$	3	-1	/A	.	.	/A	.	.	A	/B	.	.	-1	.	A	.	/B	B	3	B
$\chi_{32}^{(15)}$	3	-1	A	.	.	-A	.	.	/A	B	.	.	1	.	-/A	.	-B	/B	-3	-/B
$\chi_{32}^{(16)}$	3	-1	/A	.	.	-/A	.	.	A	/B	.	.	1	.	-A	.	-/B	B	-3	-B
$\chi_{32}^{(17)}$	3	1	-/A	.	.	/A	.	.	-A	/B	.	.	-1	.	A	.	-/B	B	-3	-B
$\chi_{32}^{(18)}$	3	1	-A	.	.	A	.	.	-/A	B	.	.	-1	.	/A	.	-B	/B	-3	-/B
$\chi_{32}^{(19)}$	3	1	-/A	.	.	-/A	.	.	-A	/B	.	.	1	.	-A	.	/B	B	3	B
$\chi_{32}^{(20)}$	3	1	-A	.	.	-A	.	.	-/A	B	.	.	1	.	-/A	.	B	/B	3	/B

where $A = -E(3) = (1 - ER(-3))/2 = -b_3$; $B = 3^*E(3)^2 = (-3 - 3^*ER(-3))/2 = -3 - 3b_3$.

The generators of $G^{s_{33}}$ are:

(1, 182, 260, 228, 177, 125, 252, 80, 240, 64, 142, 262, 231, 251, 53, 43, 13, 14, 244, 170, 222, 12) (2, 31, 157, 144, 135, 210, 121, 159, 249, 206, 15, 130, 23, 246, 59, 230, 117, 126, 194, 56, 129, 153) (3, 75, 66, 73, 220, 208, 55, 78, 202, 261, 164, 215, 185, 174, 97, 137, 91, 271, 54, 34, 254, 110) (4, 227, 128, 133, 168, 181, 152, 195, 273, 245, 223, 264, 258, 94, 146, 259, 112, 76, 8, 103, 27, 98) (5, 165, 226, 161, 127, 162, 216, 10, 74, 11, 37, 86, 199, 36, 207, 118, 236, 191, 158, 200, 65, 105) (6, 119, 213, 269, 214, 48, 138, 176, 24, 241,

79) (7, 41, 205, 61, 42, 132, 123, 111, 22, 270, 225, 49, 167, 189, 115, 92, 25, 188, 275, 233, 257, 139) (9, 72, 89, 272, 154, 250, 47, 234, 114, 30, 197, 151, 192, 60, 247, 141, 276, 212, 140, 184, 198, 232) (16, 63, 221, 267, 229, 84, 190, 274, 160, 204, 235, 40, 256, 143, 69, 175, 179, 149, 163, 145, 67, 178) (17, 193, 196, 124, 266, 33, 102, 71, 224, 136, 21, 68, 265, 218, 166, 85, 83, 172, 186, 81, 155, 116) (18, 183, 39, 88, 173, 201, 109, 32, 90, 35, 248, 120, 147, 243, 134, 95, 219, 82, 169, 20, 77, 106) (19, 131, 96, 255, 239, 242, 28, 148, 44, 93, 180, 99, 58, 237, 45, 108, 52, 101, 70, 122, 211, 263) (26, 209, 156, 50, 217, 268, 46, 150, 62, 104, 57, 253, 87, 107, 29, 38, 187, 238, 100, 51, 203, 113).

The representatives of conjugacy classes of $G^{s_{33}}$ are:

() , (1, 12, 222, 170, 244, 14, 13, 43, 53, 251, 231, 262, 142, 64, 240, 80, 252, 125, 177, 228, 260, 182) (2, 153, 129, 56, 194, 126, 117, 230, 59, 246, 23, 130, 15, 206, 249, 159, 121, 210, 135, 144, 157, 31) (3, 110, 254, 34, 54, 271, 91, 137, 97, 174, 185, 215, 164, 261, 202, 78, 55, 208, 220, 73, 66, 75) (4, 98, 27, 103, 8, 76, 112, 259, 146, 94, 258, 264, 223, 245, 273, 195, 152, 181, 168, 133, 128, 227) (5, 105, 65, 200, 158, 191, 236, 118, 207, 36, 199, 86, 37, 11, 74, 10, 216, 162, 127, 161, 226, 165) (6, 79, 241, 24, 176, 138, 48, 214, 269, 213, 119) (7, 139, 257, 233, 275, 188, 25, 92, 115, 189, 167, 49, 225, 270, 22, 111, 123, 132, 42, 61, 205, 41) (9, 232, 198, 184, 140, 212, 276, 141, 247, 60, 192, 151, 197, 30, 114, 234, 47, 250, 154, 272, 89, 72) (16, 178, 67, 145, 163, 149, 179, 175, 69, 143, 256, 40, 235, 204, 160, 274, 190, 84, 229, 267, 221, 63) (17, 116, 155, 81, 186, 172, 83, 85, 166, 218, 265, 68, 21, 136, 224, 71, 102, 33, 266, 124, 196, 193) ([...]) , (1, 13, 142, 177, 222, 53, 240, 260, 244, 231, 252) (2, 117, 15, 135, 129, 59, 249, 157, 194, 23, 121) (3, 91, 164, 220, 254, 97, 202, 66, 54, 185, 55) (4, 112, 223, 168, 27, 146, 273, 128, 8, 258, 152) (5, 236, 37, 127, 65, 207, 74, 226, 158, 199, 216) (6, 48, 79, 214, 241, 269, 24, 213, 176, 119, 138) (7, 25, 225, 42, 257, 115, 22, 205, 275, 167, 123) (9, 276, 197, 154, 198, 247, 114, 89, 140, 192, 47) (10, 165, 191, 86, 162, 105, 118, 11, 161, 200, 36) (12, 43, 64, 228, 170, 251, 80, 182, 14, 262, 125) (16, 179, 235, 229, 67, 69, 160, 221, 163, 256, 190) (17, 83, 21, 266, 155, 166, 224, 196, 186, 265, 102) (18, 219, 248, 173, 77, 134, 90, 39, 169, 147, 109) (19, 52, 180, 239, 211, 45, 44, 96, 70, 58, 28) (20, 243, 32, 183, 82, 120, 201, 106, 95, 35, 88) (26, 187, 57, 217, 203, 29, 62, 156, 100, 87, 46) (30, 272, 184, 60, 234, 72, 212, 151, 250, 232, 141) (31, 126, 130, 210, 153, 230, 206, 144, 56, 246, 159) (33, 116, 85, 136, 124, 81, 218, 71, 193, 172, 68) ([...]) , (1, 14, 231, 80, 260, 170, 53, 64, 177, 12, 13, 262, 252, 182, 244, 251, 240, 228, 222, 43, 142, 125) (2, 126, 23, 159, 157, 56, 59, 206, 135, 153, 117, 130, 121, 31, 194, 246, 249, 144, 129, 230, 15, 210) (3, 271, 185, 78, 66, 34, 97, 261, 220, 110, 91, 215, 55, 75, 54, 174, 202, 73, 254, 137, 164, 208) (4, 76, 258, 195, 128, 103, 146, 245, 168, 98, 112, 264, 152, 227, 8, 94, 273, 133, 27, 259, 223, 181) (5, 191, 199, 10, 226, 200, 207, 11, 127, 105, 236, 86, 216, 165, 158, 36, 74, 161, 65, 118, 37, 162) (6, 138, 119, 176, 213, 24, 269, 241, 214, 79, 48) (7, 188, 167, 111, 205, 233, 115, 270, 42, 139, 25, 49, 123, 41, 275, 189, 22, 61, 257, 92, 225, 132) (9, 212, 192, 234, 89, 184, 247, 30, 154, 232, 276, 151, 47, 72, 140, 60, 114, 272, 198, 141, 197, 250) (16, 149, 256, 274, 221, 145, 69, 204, 229, 178, 179, 40, 190, 63, 163, 143, 160, 267, 67, 175, 235, 84) (17, 172, 265, 71, 196, 81, 166, 136, 266, 116, 83, 68, 102, 193, 186, 218, 224, 124, 155, 85, 21, 33) ([...]) , (1, 43, 240, 182, 13, 64, 260, 14, 142, 228, 244, 262, 177, 170, 231, 125, 222, 251, 252, 12, 53, 80) (2, 230, 249, 31, 117, 206, 157, 126, 15, 144, 194, 130, 135, 56, 23, 210, 129, 246, 121, 153, 59, 159) (3, 137, 202, 75, 91, 261, 66, 271, 164, 73, 54, 215, 220, 34, 185, 208, 254, 174, 55, 110, 97, 78) (4, 259, 273, 227, 112, 245, 128, 76, 223, 133, 8, 264, 168, 103, 258, 181, 27, 94, 152, 98, 146, 195) (5, 118, 74, 165, 236, 11, 226, 191, 37, 161, 158, 86, 127, 200, 199, 162, 65, 36, 216, 105, 207, 10) (6, 214, 24, 119, 48, 241, 213, 138, 79, 269, 176) (7, 92, 22, 41, 25, 270, 205, 188, 225, 61, 275, 49, 42, 233, 167, 132, 257, 189, 123, 139, 115, 111) (9, 141, 114, 72, 276, 30, 89, 212, 197, 272, 140, 151, 154, 184, 192, 250, 198, 60, 47, 232, 247, 234) (16, 175, 160, 63, 179, 204, 221, 149, 235, 267, 163, 40, 229, 145, 256, 84, 67, 143, 190, 178, 69, 274) (17, 85, 224, 193, 83, 136, 196, 172, 21, 124, 186, 68, 266, 81, 265, 33, 155, 218, 102, 116, 166, 71) ([...]) , (1, 53, 252, 222, 231, 177, 244, 142, 260, 13, 240) (2, 59, 121, 129, 23, 135, 194, 15, 157, 117, 249) (3, 97, 55, 254, 185, 220, 54, 164, 66, 91, 202) (4, 146, 152, 27, 258, 168, 8, 223, 128, 112, 273) (5, 207, 216, 65, 199, 127, 158, 37, 226, 236, 74) (6, 269, 138, 241, 119, 214, 176, 79, 213, 48, 24) (7, 115, 123, 257, 167, 42, 275, 225, 205, 25, 22) (9, 247, 47, 198, 192, 154, 140, 197, 89, 276, 114) (10, 105, 36, 162, 200, 86, 161, 191, 11,

165, 118) (12, 251, 125, 170, 262, 228, 14, 64, 182, 43, 80) (16, 69, 190, 67, 256, 229, 163, 235, 221, 179, 160)
 (17, 166, 102, 155, 265, 266, 186, 21, 196, 83, 224) (18, 134, 109, 77, 147, 173, 169, 248, 39, 219, 90) (19, 45,
 28, 211, 58, 239, 70, 180, 96, 52, 44) (20, 120, 88, 82, 35, 183, 95, 32, 106, 243, 201) (26, 29, 46, 203, 87, 217,
 100, 57, 156, 187, 62) (30, 72, 141, 234, 232, 60, 250, 184, 151, 272, 212) (31, 230, 159, 153, 246, 210, 56,
 130, 144, 126, 206) (33, 81, 68, 124, 172, 136, 193, 85, 71, 116, 218) ([...]) , (1, 64, 244, 125, 53, 182, 142,
 170, 252, 43, 260, 262, 222, 80, 13, 228, 231, 12, 240, 14, 177, 251) (2, 206, 194, 210, 59, 31, 15, 56, 121, 230,
 157, 130, 129, 159, 117, 144, 23, 153, 249, 126, 135, 246) (3, 261, 54, 208, 97, 75, 164, 34, 55, 137, 66, 215,
 254, 78, 91, 73, 185, 110, 202, 271, 220, 174) (4, 245, 8, 181, 146, 227, 223, 103, 152, 259, 128, 264, 27, 195,
 112, 133, 258, 98, 273, 76, 168, 94) (5, 11, 158, 162, 207, 165, 37, 200, 216, 118, 226, 86, 65, 10, 236, 161,
 199, 105, 74, 191, 127, 36) (6, 241, 176, 48, 269, 119, 79, 24, 138, 214, 213) (7, 270, 275, 132, 115, 41, 225,
 233, 123, 92, 205, 49, 257, 111, 25, 61, 167, 139, 22, 188, 42, 189) (9, 30, 140, 250, 247, 72, 197, 184, 47, 141,
 89, 151, 198, 234, 276, 272, 192, 232, 114, 212, 154, 60) (16, 204, 163, 84, 69, 63, 235, 145, 190, 175, 221, 40,
 67, 274, 179, 267, 256, 178, 160, 149, 229, 143) (17, 136, 186, 33, 166, 193, 21, 81, 102, 85, 196, 68, 155, 71,
 83, 124, 265, 116, 224, 172, 266, 218) ([...]) , (1, 80, 53, 12, 252, 251, 222, 125, 231, 170, 177, 262, 244, 228,
 142, 14, 260, 64, 13, 182, 240, 43) (2, 159, 59, 153, 121, 246, 129, 210, 23, 56, 135, 130, 194, 144, 15, 126,
 157, 206, 117, 31, 249, 230) (3, 78, 97, 110, 55, 174, 254, 208, 185, 34, 220, 215, 54, 73, 164, 271, 66, 261,
 91, 75, 202, 137) (4, 195, 146, 98, 152, 94, 27, 181, 258, 103, 168, 264, 8, 133, 223, 76, 128, 245, 112, 227,
 273, 259) (5, 10, 207, 105, 216, 36, 65, 162, 199, 200, 127, 86, 158, 161, 37, 191, 226, 11, 236, 165, 74, 118)
 (6, 176, 269, 79, 138, 213, 241, 48, 119, 24, 214) (7, 111, 115, 139, 123, 189, 257, 132, 167, 233, 42, 49, 275,
 61, 225, 188, 205, 270, 25, 41, 22, 92) (9, 234, 247, 232, 47, 60, 198, 250, 192, 184, 154, 151, 140, 272, 197,
 212, 89, 30, 276, 72, 114, 141) (16, 274, 69, 178, 190, 143, 67, 84, 256, 145, 229, 40, 163, 267, 235, 149, 221,
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234, 151, 141, 184, 72, 250) (31, 210, 206, 246, 126, 153, 144, 159, 130, 230, 56) (33, 136, 218, 172, 116, 124, 71, 68, 85, 81, 193) ([...]) , (1, 182, 260, 228, 177, 125, 252, 80, 240, 64, 142, 262, 231, 251, 53, 43, 13, 14, 244, 170, 222, 12) (2, 31, 157, 144, 135, 210, 121, 159, 249, 206, 15, 130, 23, 246, 59, 230, 117, 126, 194, 56, 129, 153) (3, 75, 66, 73, 220, 208, 55, 78, 202, 261, 164, 215, 185, 174, 97, 137, 91, 271, 54, 34, 254, 110) (4, 227, 128, 133, 168, 181, 152, 195, 273, 245, 223, 264, 258, 94, 146, 259, 112, 76, 8, 103, 27, 98) (5, 165, 226, 161, 127, 162, 216, 10, 74, 11, 37, 86, 199, 36, 207, 118, 236, 191, 158, 200, 65, 105) (6, 119, 213, 269, 214, 48, 138, 176, 24, 241, 79) (7, 41, 205, 61, 42, 132, 123, 111, 22, 270, 225, 49, 167, 189, 115, 92, 25, 188, 275, 233, 257, 139) (9, 72, 89, 272, 154, 250, 47, 234, 114, 30, 197, 151, 192, 60, 247, 141, 276, 212, 140, 184, 198, 232) (16, 63, 221, 267, 229, 84, 190, 274, 160, 204, 235, 40, 256, 143, 69, 175, 179, 149, 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(74, 200) (75, 185) (76, 152) (80, 244) (81, 224) (82, 109) (84, 179) (85, 266) (87, 209) (88, 134) (91, 208)
 (93, 211) (94, 128) (95, 173) (96, 237) (98, 223) (100, 150) (102, 172) (103, 273) (104, 203) (106, 248) (107,
 156) (108, 239) (110, 164) (111, 275) (112, 181) (114, 184) (117, 210) (118, 127) (121, 126) (123, 188) (124,
 166) (129, 206) (133, 146) (135, 230) (136, 155) (137, 220) ([...]).

The character table of $G^{s_{33}}$:

	10																		
$\chi_{33}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
$\chi_{33}^{(2)}$	1	-1	1	-1	-1	1	-1	-1	-1	1	-1	1	-1	1	-1	1	1	-1	
$\chi_{33}^{(3)}$	1	A	/E	E	/D	/C	B	D	/E	A	C	/D	/A	B	/C	/A	C	D	/B
$\chi_{33}^{(4)}$	1	-A	/E	-E	-/D	/C	-B	-D	-/E	A	-C	/D	-/A	B	-/C	/A	C	D	-/B
$\chi_{33}^{(5)}$	1	B	A	/A	C	E	D	/C	A	B	/E	C	/B	D	E	/B	/E	/C	/D
$\chi_{33}^{(6)}$	1	-B	A	-/A	-C	E	-D	-/C	-A	B	-/E	C	-/B	D	-E	/B	/E	/C	-/D
$\chi_{33}^{(7)}$	1	C	/D	D	/A	B	/E	A	/D	C	/B	/A	/C	/E	B	/C	/B	A	E
$\chi_{33}^{(8)}$	1	-C	/D	-D	-/A	B	-/E	-A	-/D	C	-/B	/A	-/C	/E	-B	/C	/B	A	-E
$\chi_{33}^{(9)}$	1	D	B	/B	/E	/A	/C	E	B	D	A	/E	/D	/C	/A	/D	A	E	C
$\chi_{33}^{(10)}$	1	-D	B	-/B	-/E	/A	-/C	-E	-B	D	-A	/E	-/D	/C	-/A	/D	A	E	-C
$\chi_{33}^{(11)}$	1	E	/C	C	B	/D	/A	/B	/C	E	D	B	/E	/A	/D	/E	D	/B	A
$\chi_{33}^{(12)}$	1	-E	/C	-C	-B	/D	-/A	-/B	-/C	E	-D	B	-/E	/A	-/D	/E	D	/B	-A
$\chi_{33}^{(13)}$	1	/E	C	/C	/B	D	A	B	C	/E	/D	/B	E	A	D	E	/D	B	/A
$\chi_{33}^{(14)}$	1	-/E	C	-/C	-/B	D	-A	-B	-C	/E	-/D	/B	-E	A	-D	E	/D	B	-/A
$\chi_{33}^{(15)}$	1	/D	/B	B	E	A	C	/E	/B	/D	/A	E	D	C	A	D	/A	/E	/C
$\chi_{33}^{(16)}$	1	-/D	/B	-B	-E	A	-C	-/E	-/B	/D	-/A	E	-D	C	-A	D	/A	/E	-/C
$\chi_{33}^{(17)}$	1	/C	D	/D	A	/B	E	/A	D	/C	B	A	C	E	/B	C	B	/A	/E
$\chi_{33}^{(18)}$	1	-/C	D	-/D	-A	/B	-E	-/A	-D	/C	-B	A	-C	E	-/B	C	B	/A	-/E
$\chi_{33}^{(19)}$	1	/B	/A	A	/C	/E	/D	C	/A	/B	E	/C	B	/D	/E	B	E	C	D
$\chi_{33}^{(20)}$	1	-/B	/A	-A	-/C	/E	-/D	-C	-/A	/B	-E	/C	-B	/D	-/E	B	E	C	-D
$\chi_{33}^{(21)}$	1	/A	E	/E	D	C	/B	/D	E	/A	/C	D	A	/B	C	A	/C	/D	B
$\chi_{33}^{(22)}$	1	-/A	E	-/E	-D	C	-/B	-/D	-E	/A	-/C	D	-A	/B	-C	A	/C	/D	-B

$\chi_{33}^{(1)}$	1	1	1
$\chi_{33}^{(2)}$	1	1	-1
$\chi_{33}^{(3)}$	E	/B	1
$\chi_{33}^{(4)}$	E	/B	-1
$\chi_{33}^{(5)}$	/A	/D	1
$\chi_{33}^{(6)}$	/A	/D	-1
$\chi_{33}^{(7)}$	D	E	1
$\chi_{33}^{(8)}$	D	E	-1
$\chi_{33}^{(9)}$	/B	C	1
$\chi_{33}^{(10)}$	/B	C	-1
$\chi_{33}^{(11)}$	C	A	1
$\chi_{33}^{(12)}$	C	A	-1
$\chi_{33}^{(13)}$	/C	/A	1
$\chi_{33}^{(14)}$	/C	/A	-1
$\chi_{33}^{(15)}$	B	/C	1
$\chi_{33}^{(16)}$	B	/C	-1
$\chi_{33}^{(17)}$	/D	/E	1
$\chi_{33}^{(18)}$	/D	/E	-1
$\chi_{33}^{(19)}$	A	D	1
$\chi_{33}^{(20)}$	A	D	-1
$\chi_{33}^{(21)}$	/E	B	1
$\chi_{33}^{(22)}$	/E	B	-1

where $A=E(11)^5$; $B=E(11)^{10}$; $C=E(11)^4$; $D=E(11)^9$; $E=E(11)^3$.

The generators of $G^{s_{34}}$ are:

(1, 80, 53, 12, 252, 251, 222, 125, 231, 170, 177, 262, 244, 228, 142, 14, 260, 64, 13, 182, 240, 43) (2, 159, 59, 153, 121, 246, 129, 210, 23, 56, 135, 130, 194, 144, 15, 126, 157, 206, 117, 31, 249, 230) (3, 78, 97, 110, 55, 174, 254, 208, 185, 34, 220, 215, 54, 73, 164, 271, 66, 261, 91, 75, 202, 137) (4, 195, 146, 98, 152, 94, 27, 181, 258, 103, 168, 264, 8, 133, 223, 76, 128, 245, 112, 227, 273, 259) (5, 10, 207, 105, 216, 36, 65, 162, 199, 200, 127, 86, 158, 161, 37, 191, 226, 11, 236, 165, 74, 118) (6, 176, 269, 79, 138, 213, 241, 48, 119, 24, 214) (7, 111, 115, 139, 123, 189, 257, 132, 167, 233, 42, 49, 275, 61, 225, 188, 205, 270, 25, 41, 22, 92) (9, 234, 247, 232, 47, 60, 198, 250, 192, 184, 154, 151, 140, 272, 197, 212, 89, 30, 276, 72, 114, 141) (16, 274, 69, 178, 190, 143, 67, 84, 256, 145, 229, 40, 163, 267, 235, 149, 221, 204, 179, 63, 160, 175) (17, 71, 166, 116, 102, 218, 155, 33, 265, 81, 266, 68, 186, 124, 21, 172, 196, 136, 83, 193, 224, 85) (18, 32, 134, 106, 109, 243, 77, 201, 147, 20, 173, 120, 169, 88, 248, 82, 39, 35, 219, 183, 90, 95) (19, 148, 45, 263, 28, 237, 211, 242, 58, 122, 239, 99, 70, 255, 180, 101, 96, 93, 52, 131, 44, 108) (26, 150, 29, 113, 46, 107, 203, 268, 87, 51, 217, 253, 100, 50, 57, 238, 156, 104, 187, 209, 62, 38).

The representatives of conjugacy classes of $G^{s_{34}}$ are:

() , (1, 12, 222, 170, 244, 14, 13, 43, 53, 251, 231, 262, 142, 64, 240, 80, 252, 125, 177, 228, 260, 182) (2, 153, 129, 56, 194, 126, 117, 230, 59, 246, 23, 130, 15, 206, 249, 159, 121, 210, 135, 144, 157, 31) (3, 110, 254, 34, 54, 271, 91, 137, 97, 174, 185, 215, 164, 261, 202, 78, 55, 208, 220, 73, 66, 75) (4, 98, 27, 103, 8, 76, 112, 259, 146, 94, 258, 264, 223, 245, 273, 195, 152, 181, 168, 133, 128, 227) (5, 105, 65, 200, 158, 191, 236, 118, 207, 36, 199, 86, 37, 11, 74, 10, 216, 162, 127, 161, 226, 165) (6, 79, 241, 24, 176, 138, 48, 214, 269, 213, 119) (7, 139, 257, 233, 275, 188, 25, 92, 115, 189, 167, 49, 225, 270, 22, 111, 123, 132, 42, 61, 205, 41) (9, 232, 198, 184, 140, 212, 276, 141, 247, 60, 192, 151, 197, 30, 114, 234, 47, 250, 154, 272, 89, 72) (16, 178, 67, 145, 163, 149, 179, 175, 69, 143, 256, 40, 235, 204, 160, 274, 190, 84, 229, 267, 221, 63) (17, 116, 155, 81, 186, 172, 83, 85, 166, 218, 265, 68, 21, 136, 224, 71, 102, 33, 266, 124, 196, 193) ([...]) , (1, 13, 142, 177, 222, 53, 240,

260, 244, 231, 252) (2, 117, 15, 135, 129, 59, 249, 157, 194, 23, 121) (3, 91, 164, 220, 254, 97, 202, 66, 54, 185, 55) (4, 112, 223, 168, 27, 146, 273, 128, 8, 258, 152) (5, 236, 37, 127, 65, 207, 74, 226, 158, 199, 216) (6, 48, 79, 214, 241, 269, 24, 213, 176, 119, 138) (7, 25, 225, 42, 257, 115, 22, 205, 275, 167, 123) (9, 276, 197, 154, 198, 247, 114, 89, 140, 192, 47) (10, 165, 191, 86, 162, 105, 118, 11, 161, 200, 36) (12, 43, 64, 228, 170, 251, 80, 182, 14, 262, 125) (16, 179, 235, 229, 67, 69, 160, 221, 163, 256, 190) (17, 83, 21, 266, 155, 166, 224, 196, 186, 265, 102) (18, 219, 248, 173, 77, 134, 90, 39, 169, 147, 109) (19, 52, 180, 239, 211, 45, 44, 96, 70, 58, 28) (20, 243, 32, 183, 82, 120, 201, 106, 95, 35, 88) (26, 187, 57, 217, 203, 29, 62, 156, 100, 87, 46) (30, 272, 184, 60, 234, 72, 212, 151, 250, 232, 141) (31, 126, 130, 210, 153, 230, 206, 144, 56, 246, 159) (33, 116, 85, 136, 124, 81, 218, 71, 193, 172, 68) ([...]) , (1, 14, 231, 80, 260, 170, 53, 64, 177, 12, 13, 262, 252, 182, 244, 251, 240, 228, 222, 43, 142, 125) (2, 126, 23, 159, 157, 56, 59, 206, 135, 153, 117, 130, 121, 31, 194, 246, 249, 144, 129, 230, 15, 210) (3, 271, 185, 78, 66, 34, 97, 261, 220, 110, 91, 215, 55, 75, 54, 174, 202, 73, 254, 137, 164, 208) (4, 76, 258, 195, 128, 103, 146, 245, 168, 98, 112, 264, 152, 227, 8, 94, 273, 133, 27, 259, 223, 181) (5, 191, 199, 10, 226, 200, 207, 11, 127, 105, 236, 86, 216, 165, 158, 36, 74, 161, 65, 118, 37, 162) (6, 138, 119, 176, 213, 24, 269, 241, 214, 79, 48) (7, 188, 167, 111, 205, 233, 115, 270, 42, 139, 25, 49, 123, 41, 275, 189, 22, 61, 257, 92, 225, 132) (9, 212, 192, 234, 89, 184, 247, 30, 154, 232, 276, 151, 47, 72, 140, 60, 114, 272, 198, 141, 197, 250) (16, 149, 256, 274, 221, 145, 69, 204, 229, 178, 179, 40, 190, 63, 163, 143, 160, 267, 67, 175, 235, 84) (17, 172, 265, 71, 196, 81, 166, 136, 266, 116, 83, 68, 102, 193, 186, 218, 224, 124, 155, 85, 21, 33) ([...]) , (1, 43, 240, 182, 13, 64, 260, 14, 142, 228, 244, 262, 177, 170, 231, 125, 222, 251, 252, 12, 53, 80) (2, 230, 249, 31, 117, 206, 157, 126, 15, 144, 194, 130, 135, 56, 23, 210, 129, 246, 121, 153, 59, 159) (3, 137, 202, 75, 91, 261, 66, 271, 164, 73, 54, 215, 220, 34, 185, 208, 254, 174, 55, 110, 97, 78) (4, 259, 273, 227, 112, 245, 128, 76, 223, 133, 8, 264, 168, 103, 258, 181, 27, 94, 152, 98, 146, 195) (5, 118, 74, 165, 236, 11, 226, 191, 37, 161, 158, 86, 127, 200, 199, 162, 65, 36, 216, 105, 207, 10) (6, 214, 24, 119, 48, 241, 213, 138, 79, 269, 176) (7, 92, 22, 41, 25, 270, 205, 188, 225, 61, 275, 49, 42, 233, 167, 132, 257, 189, 123, 139, 115, 111) (9, 141, 114, 72, 276, 30, 89, 212, 197, 272, 140, 151, 154, 184, 192, 250, 198, 60, 47, 232, 247, 234) (16, 175, 160, 63, 179, 204, 221, 149, 235, 267, 163, 40, 229, 145, 256, 84, 67, 143, 190, 178, 69, 274) (17, 85, 224, 193, 83, 136, 196, 172, 21, 124, 186, 68, 266, 81, 265, 33, 155, 218, 102, 116, 166, 71) ([...]) , (1, 53, 252, 222, 231, 177, 244, 142, 260, 13, 240) (2, 59, 121, 129, 23, 135, 194, 15, 157, 117, 249) (3, 97, 55, 254, 185, 220, 54, 164, 66, 91, 202) (4, 146, 152, 27, 258, 168, 8, 223, 128, 112, 273) (5, 207, 216, 65, 199, 127, 158, 37, 226, 236, 74) (6, 269, 138, 241, 119, 214, 176, 79, 213, 48, 24) (7, 115, 123, 257, 167, 42, 275, 225, 205, 25, 22) (9, 247, 47, 198, 192, 154, 140, 197, 89, 276, 114) (10, 105, 36, 162, 200, 86, 161, 191, 11, 165, 118) (12, 251, 125, 170, 262, 228, 14, 64, 182, 43, 80) (16, 69, 190, 67, 256, 229, 163, 235, 221, 179, 160) (17, 166, 102, 155, 265, 266, 186, 21, 196, 83, 224) (18, 134, 109, 77, 147, 173, 169, 248, 39, 219, 90) (19, 45, 28, 211, 58, 239, 70, 180, 96, 52, 44) (20, 120, 88, 82, 35, 183, 95, 32, 106, 243, 201) (26, 29, 46, 203, 87, 217, 100, 57, 156, 187, 62) (30, 72, 141, 234, 232, 60, 250, 184, 151, 272, 212) (31, 230, 159, 153, 246, 210, 56, 130, 144, 126, 206) (33, 81, 68, 124, 172, 136, 193, 85, 71, 116, 218) ([...]) , (1, 64, 244, 125, 53, 182, 142, 170, 252, 43, 260, 262, 222, 80, 13, 228, 231, 12, 240, 14, 177, 251) (2, 206, 194, 210, 59, 31, 15, 56, 121, 230, 157, 130, 129, 159, 117, 144, 23, 153, 249, 126, 135, 246) (3, 261, 54, 208, 97, 75, 164, 34, 55, 137, 66, 215, 254, 78, 91, 73, 185, 110, 202, 271, 220, 174) (4, 245, 8, 181, 146, 227, 223, 103, 152, 259, 128, 264, 27, 195, 112, 133, 258, 98, 273, 76, 168, 94) (5, 11, 158, 162, 207, 165, 37, 200, 216, 118, 226, 86, 65, 10, 236, 161, 199, 105, 74, 191, 127, 36) (6, 241, 176, 48, 269, 119, 79, 24, 138, 214, 213) (7, 270, 275, 132, 115, 41, 225, 233, 123, 92, 205, 49, 257, 111, 25, 61, 167, 139, 22, 188, 42, 189) (9, 30, 140, 250, 247, 72, 197, 184, 47, 141, 89, 151, 198, 234, 276, 272, 192, 232, 114, 212, 154, 60) (16, 204, 163, 84, 69, 63, 235, 145, 190, 175, 221, 40, 67, 274, 179, 267, 256, 178, 160, 149, 229, 143) (17, 136, 186, 33, 166, 193, 21, 81, 102, 85, 196, 68, 155, 71, 83, 124, 265, 116, 224, 172, 266, 218) ([...]) , (1, 80, 53, 12, 252, 251, 222, 125, 231, 170, 177, 262, 244, 228, 142, 14, 260, 64, 13, 182, 240, 43) (2, 159, 59, 153, 121, 246, 129, 210, 23, 56, 135, 130, 194, 144, 15, 126, 157, 206, 117, 31, 249, 230) (3, 78, 97, 110, 55, 174, 254, 208, 185, 34, 220, 215, 54, 73, 164, 271, 66, 261, 91, 75, 202, 137) (4, 195, 146, 98, 152, 94, 27, 181, 258, 103, 168, 264, 8, 133, 223, 76, 128, 245, 112, 227,

273, 259) (5, 10, 207, 105, 216, 36, 65, 162, 199, 200, 127, 86, 158, 161, 37, 191, 226, 11, 236, 165, 74, 118) (6, 176, 269, 79, 138, 213, 241, 48, 119, 24, 214) (7, 111, 115, 139, 123, 189, 257, 132, 167, 233, 42, 49, 275, 61, 225, 188, 205, 270, 25, 41, 22, 92) (9, 234, 247, 232, 47, 60, 198, 250, 192, 184, 154, 151, 140, 272, 197, 212, 89, 30, 276, 72, 114, 141) (16, 274, 69, 178, 190, 143, 67, 84, 256, 145, 229, 40, 163, 267, 235, 149, 221, 204, 179, 63, 160, 175) (17, 71, 166, 116, 102, 218, 155, 33, 265, 81, 266, 68, 186, 124, 21, 172, 196, 136, 83, 193, 224, 85) ([...]) , (1, 125, 142, 43, 222, 228, 240, 251, 244, 182, 252, 262, 13, 12, 177, 64, 53, 170, 260, 80, 231, 14) (2, 210, 15, 230, 129, 144, 249, 246, 194, 31, 121, 130, 117, 153, 135, 206, 59, 56, 157, 159, 23, 126) (3, 208, 164, 137, 254, 73, 202, 174, 54, 75, 55, 215, 91, 110, 220, 261, 97, 34, 66, 78, 185, 271) (4, 181, 223, 259, 27, 133, 273, 94, 8, 227, 152, 264, 112, 98, 168, 245, 146, 103, 128, 195, 258, 76) (5, 162, 37, 118, 65, 161, 74, 36, 158, 165, 216, 86, 236, 105, 127, 11, 207, 200, 226, 10, 199, 191) (6, 48, 79, 214, 241, 269, 24, 213, 176, 119, 138) (7, 132, 225, 92, 257, 61, 22, 189, 275, 41, 123, 49, 25, 139, 42, 270, 115, 233, 205, 111, 167, 188) (9, 250, 197, 141, 198, 272, 114, 60, 140, 72, 47, 151, 276, 232, 154, 30, 247, 184, 89, 234, 192, 212) (16, 84, 235, 175, 67, 267, 160, 143, 163, 63, 190, 40, 179, 178, 229, 204, 69, 145, 221, 274, 256, 149) (17, 33, 21, 85, 155, 124, 224, 218, 186, 193, 102, 68, 83, 116, 266, 136, 166, 81, 196, 71, 265, 172) ([...]) , (1, 142, 222, 240, 244, 252, 13, 177, 53, 260, 231) (2, 15, 129, 249, 194, 121, 117, 135, 59, 157, 23) (3, 164, 254, 202, 54, 55, 91, 220, 97, 66, 185) (4, 223, 27, 273, 8, 152, 112, 168, 146, 128, 258) (5, 37, 65, 74, 158, 216, 236, 127, 207, 226, 199) (6, 79, 241, 24, 176, 138, 48, 214, 269, 213, 119) (7, 225, 257, 22, 275, 123, 25, 42, 115, 205, 167) (9, 197, 198, 114, 140, 47, 276, 154, 247, 89, 192) (10, 191, 162, 118, 161, 36, 165, 86, 105, 11, 200) (12, 64, 170, 80, 14, 125, 43, 228, 251, 182, 262) (16, 235, 67, 160, 163, 190, 179, 229, 69, 221, 256) (17, 21, 155, 224, 186, 102, 83, 266, 166, 196, 265) (18, 248, 77, 90, 169, 109, 219, 173, 134, 39, 147) (19, 180, 211, 44, 70, 28, 52, 239, 45, 96, 58) (20, 32, 82, 201, 95, 88, 243, 183, 120, 106, 35) (26, 57, 203, 62, 100, 46, 187, 217, 29, 156, 87) (30, 184, 234, 212, 250, 141, 272, 60, 72, 151, 232) (31, 130, 153, 206, 56, 159, 126, 210, 230, 144, 246) (33, 85, 124, 218, 193, 68, 116, 136, 81, 71, 172) ([...]) , (1, 170, 13, 251, 142, 80, 177, 182, 222, 14, 53, 262, 240, 125, 260, 12, 244, 43, 231, 64, 252, 228) (2, 56, 117, 246, 15, 159, 135, 31, 129, 126, 59, 130, 249, 210, 157, 153, 194, 230, 23, 206, 121, 144) (3, 34, 91, 174, 164, 78, 220, 75, 254, 271, 97, 215, 202, 208, 66, 110, 54, 137, 185, 261, 55, 73) (4, 103, 112, 94, 223, 195, 168, 227, 27, 76, 146, 264, 273, 181, 128, 98, 8, 259, 258, 245, 152, 133) (5, 200, 236, 36, 37, 10, 127, 165, 65, 191, 207, 86, 74, 162, 226, 105, 158, 118, 199, 11, 216, 161) (6, 24, 48, 213, 79, 176, 214, 119, 241, 138, 269) (7, 233, 25, 189, 225, 111, 42, 41, 257, 188, 115, 49, 22, 132, 205, 139, 275, 92, 167, 270, 123, 61) (9, 184, 276, 60, 197, 234, 154, 72, 198, 212, 247, 151, 114, 250, 89, 232, 140, 141, 192, 30, 47, 272) (16, 145, 179, 143, 235, 274, 229, 63, 67, 149, 69, 40, 160, 84, 221, 178, 163, 175, 256, 204, 190, 267) (17, 81, 83, 218, 21, 71, 266, 193, 155, 172, 166, 68, 224, 33, 196, 116, 186, 85, 265, 136, 102, 124) ([...]) , (1, 177, 240, 231, 13, 222, 260, 252, 142, 53, 244) (2, 135, 249, 23, 117, 129, 157, 121, 15, 59, 194) (3, 220, 202, 185, 91, 254, 66, 55, 164, 97, 54) (4, 168, 273, 258, 112, 27, 128, 152, 223, 146, 8) (5, 127, 74, 199, 236, 65, 226, 216, 37, 207, 158) (6, 214, 24, 119, 48, 241, 213, 138, 79, 269, 176) (7, 42, 22, 167, 25, 257, 205, 123, 225, 115, 275) (9, 154, 114, 192, 276, 198, 89, 47, 197, 247, 140) (10, 86, 118, 200, 165, 162, 11, 36, 191, 105, 161) (12, 228, 80, 262, 43, 170, 182, 125, 64, 251, 14) (16, 229, 160, 256, 179, 67, 221, 190, 235, 69, 163) (17, 266, 224, 265, 83, 155, 196, 102, 21, 166, 186) (18, 173, 90, 147, 219, 77, 39, 109, 248, 134, 169) (19, 239, 44, 58, 52, 211, 96, 28, 180, 45, 70) (20, 183, 201, 35, 243, 82, 106, 88, 32, 120, 95) (26, 217, 62, 87, 187, 203, 156, 46, 57, 29, 100) (30, 60, 212, 232, 272, 234, 151, 141, 184, 72, 250) (31, 210, 206, 246, 126, 153, 144, 159, 130, 230, 56) (33, 136, 218, 172, 116, 124, 71, 68, 85, 81, 193) ([...]) , (1, 182, 260, 228, 177, 125, 252, 80, 240, 64, 142, 262, 231, 251, 53, 43, 13, 14, 244, 170, 222, 12) (2, 31, 157, 144, 135, 210, 121, 159, 249, 206, 15, 130, 23, 246, 59, 230, 117, 126, 194, 56, 129, 153) (3, 75, 66, 73, 220, 208, 55, 78, 202, 261, 164, 215, 185, 174, 97, 137, 91, 271, 54, 34, 254, 110) (4, 227, 128, 133, 168, 181, 152, 195, 273, 245, 223, 264, 258, 94, 146, 259, 112, 76, 8, 103, 27, 98) (5, 165, 226, 161, 127, 162, 216, 10, 74, 11, 37, 86, 199, 36, 207, 118, 236, 191, 158, 200, 65, 105) (6, 119, 213, 269, 214, 48, 138, 176, 24, 241, 79) (7, 41, 205, 61, 42, 132, 123, 111, 22, 270, 225, 49, 167, 189, 115, 92, 25, 188, 275, 233, 257, 139) (9, 72, 89, 272, 154, 250, 47, 234, 114, 30, 197, 151, 192, 60, 247, 141, 276, 212, 140, 184, 198, 232) (16, 63,

221, 267, 229, 84, 190, 274, 160, 204, 235, 40, 256, 143, 69, 175, 179, 149, 163, 145, 67, 178) (17, 193, 196, 124, 266, 33, 102, 71, 224, 136, 21, 68, 265, 218, 166, 85, 83, 172, 186, 81, 155, 116) ([...]) , (1, 222, 244, 13, 53, 231, 142, 240, 252, 177, 260) (2, 129, 194, 117, 59, 23, 15, 249, 121, 135, 157) (3, 254, 54, 91, 97, 185, 164, 202, 55, 220, 66) (4, 27, 8, 112, 146, 258, 223, 273, 152, 168, 128) (5, 65, 158, 236, 207, 199, 37, 74, 216, 127, 226) (6, 241, 176, 48, 269, 119, 79, 24, 138, 214, 213) (7, 257, 275, 25, 115, 167, 225, 22, 123, 42, 205) (9, 198, 140, 276, 247, 192, 197, 114, 47, 154, 89) (10, 162, 161, 165, 105, 200, 191, 118, 36, 86, 11) (12, 170, 14, 43, 251, 262, 64, 80, 125, 228, 182) (16, 67, 163, 179, 69, 256, 235, 160, 190, 229, 221) (17, 155, 186, 83, 166, 265, 21, 224, 102, 266, 196) (18, 77, 169, 219, 134, 147, 248, 90, 109, 173, 39) (19, 211, 70, 52, 45, 58, 180, 44, 28, 239, 96) (20, 82, 95, 243, 120, 35, 32, 201, 88, 183, 106) (26, 203, 100, 187, 29, 87, 57, 62, 46, 217, 156) (30, 234, 250, 272, 72, 232, 184, 212, 141, 60, 151) (31, 153, 56, 126, 230, 246, 130, 206, 159, 210, 144) (33, 124, 193, 116, 81, 172, 85, 218, 68, 136, 71) ([...]) , (1, 228, 252, 64, 231, 43, 244, 12, 260, 125, 240, 262, 53, 14, 222, 182, 177, 80, 142, 251, 13, 170) (2, 144, 121, 206, 23, 230, 194, 153, 157, 210, 249, 130, 59, 126, 129, 31, 135, 159, 15, 246, 117, 56) (3, 73, 55, 261, 185, 137, 54, 110, 66, 208, 202, 215, 97, 271, 254, 75, 220, 78, 164, 174, 91, 34) (4, 133, 152, 245, 258, 259, 8, 98, 128, 181, 273, 264, 146, 76, 27, 227, 168, 195, 223, 94, 112, 103) (5, 161, 216, 11, 199, 118, 158, 105, 226, 162, 74, 86, 207, 191, 65, 165, 127, 10, 37, 36, 236, 200) (6, 269, 138, 241, 119, 214, 176, 79, 213, 48, 24) (7, 61, 123, 270, 167, 92, 275, 139, 205, 132, 22, 49, 115, 188, 257, 41, 42, 111, 225, 189, 25, 233) (9, 272, 47, 30, 192, 141, 140, 232, 89, 250, 114, 151, 247, 212, 198, 72, 154, 234, 197, 60, 276, 184) (16, 267, 190, 204, 256, 175, 163, 178, 221, 84, 160, 40, 69, 149, 67, 63, 229, 274, 235, 143, 179, 145) (17, 124, 102, 136, 265, 85, 186, 116, 196, 33, 224, 68, 166, 172, 155, 193, 266, 71, 21, 218, 83, 81) ([...]) , (1, 231, 260, 53, 177, 13, 252, 244, 240, 222, 142) (2, 23, 157, 59, 135, 117, 121, 194, 249, 129, 15) (3, 185, 66, 97, 220, 91, 55, 54, 202, 254, 164) (4, 258, 128, 146, 168, 112, 152, 8, 273, 27, 223) (5, 199, 226, 207, 127, 236, 216, 158, 74, 65, 37) (6, 119, 213, 269, 214, 48, 138, 176, 24, 241, 79) (7, 167, 205, 115, 42, 25, 123, 275, 22, 257, 225) (9, 192, 89, 247, 154, 276, 47, 140, 114, 198, 197) (10, 200, 11, 105, 86, 165, 36, 161, 118, 162, 191) (12, 262, 182, 251, 228, 43, 125, 14, 80, 170, 64) (16, 256, 221, 69, 229, 179, 190, 163, 160, 67, 235) (17, 265, 196, 166, 266, 83, 102, 186, 224, 155, 21) (18, 147, 39, 134, 173, 219, 109, 169, 90, 77, 248) (19, 58, 96, 45, 239, 52, 28, 70, 44, 211, 180) (20, 35, 106, 120, 183, 243, 88, 95, 201, 82, 32) (26, 87, 156, 29, 217, 187, 46, 100, 62, 203, 57) (30, 232, 151, 72, 60, 272, 141, 250, 212, 234, 184) (31, 246, 144, 230, 210, 126, 159, 56, 206, 153, 130) (33, 172, 71, 81, 136, 116, 68, 193, 218, 124, 85) ([...]) , (1, 240, 13, 260, 142, 244, 177, 231, 222, 252, 53) (2, 249, 117, 157, 15, 194, 135, 23, 129, 121, 59) (3, 202, 91, 66, 164, 54, 220, 185, 254, 55, 97) (4, 273, 112, 128, 223, 8, 168, 258, 27, 152, 146) (5, 74, 236, 226, 37, 158, 127, 199, 65, 216, 207) (6, 24, 48, 213, 79, 176, 214, 119, 241, 138, 269) (7, 22, 25, 205, 225, 275, 42, 167, 257, 123, 115) (9, 114, 276, 89, 197, 140, 154, 192, 198, 47, 247) (10, 118, 165, 11, 191, 161, 86, 200, 162, 36, 105) (12, 80, 43, 182, 64, 14, 228, 262, 170, 125, 251) (16, 160, 179, 221, 235, 163, 229, 256, 67, 190, 69) (17, 224, 83, 196, 21, 186, 266, 265, 155, 102, 166) (18, 90, 219, 39, 248, 169, 173, 147, 77, 109, 134) (19, 44, 52, 96, 180, 70, 239, 58, 211, 28, 45) (20, 201, 243, 106, 32, 95, 183, 35, 82, 88, 120) (26, 62, 187, 156, 57, 100, 217, 87, 203, 46, 29) (30, 212, 272, 151, 184, 250, 60, 232, 234, 141, 72) (31, 206, 126, 144, 130, 56, 210, 246, 153, 159, 230) (33, 218, 116, 71, 85, 193, 136, 172, 124, 68, 81) ([...]) , (1, 244, 53, 142, 252, 260, 222, 13, 231, 240, 177) (2, 194, 59, 15, 121, 157, 129, 117, 23, 249, 135) (3, 54, 97, 164, 55, 66, 254, 91, 185, 202, 220) (4, 8, 146, 223, 152, 128, 27, 112, 258, 273, 168) (5, 158, 207, 37, 216, 226, 65, 236, 199, 74, 127) (6, 176, 269, 79, 138, 213, 241, 48, 119, 24, 214) (7, 275, 115, 225, 123, 205, 257, 25, 167, 22, 42) (9, 140, 247, 197, 47, 89, 198, 276, 192, 114, 154) (10, 161, 105, 191, 36, 11, 162, 165, 200, 118, 86) (12, 14, 251, 64, 125, 182, 170, 43, 262, 80, 228) (16, 163, 69, 235, 190, 221, 67, 179, 256, 160, 229) (17, 186, 166, 21, 102, 196, 155, 83, 265, 224, 266) (18, 169, 134, 248, 109, 39, 77, 219, 147, 90, 173) (19, 70, 45, 180, 28, 96, 211, 52, 58, 44, 239) (20, 95, 120, 32, 88, 106, 82, 243, 35, 201, 183) (26, 100, 29, 57, 46, 156, 203, 187, 87, 62, 217) (30, 250, 72, 184, 141, 151, 234, 272, 232, 212, 60) (31, 56, 230, 130, 159, 144, 153, 126, 246, 206, 210) (33, 193, 81, 85, 68, 71, 124, 116, 172, 218, 136) ([...]) , (1, 251, 177, 14, 240, 12, 231, 228, 13, 80, 222, 262, 260, 43, 252, 170, 142, 182, 53, 125, 244, 64) (2, 246, 135, 126, 249, 153, 23, 144, 117, 159, 129, 130, 157, 230, 121,

56, 15, 31, 59, 210, 194, 206) (3, 174, 220, 271, 202, 110, 185, 73, 91, 78, 254, 215, 66, 137, 55, 34, 164, 75, 97, 208, 54, 261) (4, 94, 168, 76, 273, 98, 258, 133, 112, 195, 27, 264, 128, 259, 152, 103, 223, 227, 146, 181, 8, 245) (5, 36, 127, 191, 74, 105, 199, 161, 236, 10, 65, 86, 226, 118, 216, 200, 37, 165, 207, 162, 158, 11) (6, 213, 214, 138, 24, 79, 119, 269, 48, 176, 241) (7, 189, 42, 188, 22, 139, 167, 61, 25, 111, 257, 49, 205, 92, 123, 233, 225, 41, 115, 132, 275, 270) (9, 60, 154, 212, 114, 232, 192, 272, 276, 234, 198, 151, 89, 141, 47, 184, 197, 72, 247, 250, 140, 30) (16, 143, 229, 149, 160, 178, 256, 267, 179, 274, 67, 40, 221, 175, 190, 145, 235, 63, 69, 84, 163, 204) (17, 218, 266, 172, 224, 116, 265, 124, 83, 71, 155, 68, 196, 85, 102, 81, 21, 193, 166, 33, 186, 136) ([...]) , (1, 252, 231, 244, 260, 240, 53, 222, 177, 142, 13) (2, 121, 23, 194, 157, 249, 59, 129, 135, 15, 117) (3, 55, 185, 54, 66, 202, 97, 254, 220, 164, 91) (4, 152, 258, 8, 128, 273, 146, 27, 168, 223, 112) (5, 216, 199, 158, 226, 74, 207, 65, 127, 37, 236) (6, 138, 119, 176, 213, 24, 269, 241, 214, 79, 48) (7, 123, 167, 275, 205, 22, 115, 257, 42, 225, 25) (9, 47, 192, 140, 89, 114, 247, 198, 154, 197, 276) (10, 36, 200, 161, 11, 118, 105, 162, 86, 191, 165) (12, 125, 262, 14, 182, 80, 251, 170, 228, 64, 43) (16, 190, 256, 163, 221, 160, 69, 67, 229, 235, 179) (17, 102, 265, 186, 196, 224, 166, 155, 266, 21, 83) (18, 109, 147, 169, 39, 90, 134, 77, 173, 248, 219) (19, 28, 58, 70, 96, 44, 45, 211, 239, 180, 52) (20, 88, 35, 95, 106, 201, 120, 82, 183, 32, 243) (26, 46, 87, 100, 156, 62, 29, 203, 217, 57, 187) (30, 141, 232, 250, 151, 212, 72, 234, 60, 184, 272) (31, 159, 246, 56, 144, 206, 230, 153, 210, 130, 126) (33, 68, 172, 193, 71, 218, 81, 124, 136, 85, 116) ([...]) , (1, 260, 177, 252, 240, 142, 231, 53, 13, 244, 222) (2, 157, 135, 121, 249, 15, 23, 59, 117, 194, 129) (3, 66, 220, 55, 202, 164, 185, 97, 91, 54, 254) (4, 128, 168, 152, 273, 223, 258, 146, 112, 8, 27) (5, 226, 127, 216, 74, 37, 199, 207, 236, 158, 65) (6, 213, 214, 138, 24, 79, 119, 269, 48, 176, 241) (7, 205, 42, 123, 22, 225, 167, 115, 25, 275, 257) (9, 89, 154, 47, 114, 197, 192, 247, 276, 140, 198) (10, 11, 86, 36, 118, 191, 200, 105, 165, 161, 162) (12, 182, 228, 125, 80, 64, 262, 251, 43, 14, 170) (16, 221, 229, 190, 160, 235, 256, 69, 179, 163, 67) (17, 196, 266, 102, 224, 21, 265, 166, 83, 186, 155) (18, 39, 173, 109, 90, 248, 147, 134, 219, 169, 77) (19, 96, 239, 28, 44, 180, 58, 45, 52, 70, 211) (20, 106, 183, 88, 201, 32, 35, 120, 243, 95, 82) (26, 156, 217, 46, 62, 57, 87, 29, 187, 100, 203) (30, 151, 60, 141, 212, 184, 232, 72, 272, 250, 234) (31, 144, 210, 159, 206, 130, 246, 230, 126, 56, 153) (33, 71, 136, 68, 218, 85, 172, 81, 116, 193, 124) ([...]) , (1, 262) (2, 130) (3, 215) (4, 264) (5, 86) (7, 49) (8, 195) (9, 151) (10, 158) (11, 65) (12, 142) (13, 125) (14, 252) (15, 153) (16, 40) (17, 68) (18, 120) (19, 99) (20, 90) (21, 116) (22, 233) (23, 31) (25, 132) (26, 253) (27, 245) (28, 101) (29, 50) (30, 198) (32, 169) (33, 83) (34, 202) (35, 77) (36, 226) (37, 105) (38, 217) (39, 243) (41, 167) (42, 92) (43, 177) (44, 122) (45, 255) (46, 238) (47, 212) (51, 62) (52, 242) (53, 228) (54, 78) (55, 271) (56, 249) (57, 113) (58, 131) (59, 144) (60, 89) (61, 115) (63, 256) (64, 222) (66, 174) (67, 204) (69, 267) (70, 148) (71, 186) (72, 192) (73, 97) (74, 200) (75, 185) (76, 152) (80, 244) (81, 224) (82, 109) (84, 179) (85, 266) (87, 209) (88, 134) (91, 208) (93, 211) (94, 128) (95, 173) (96, 237) (98, 223) (100, 150) (102, 172) (103, 273) (104, 203) (106, 248) (107, 156) (108, 239) (110, 164) (111, 275) (112, 181) (114, 184) (117, 210) (118, 127) (121, 126) (123, 188) (124, 166) (129, 206) (133, 146) (135, 230) (136, 155) (137, 220) ([...]) .

The character table of $G^{s_{34}}$:

	10																	
$\chi_{34}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{34}^{(2)}$	1	-1	1	-1	-1	1	-1	-1	-1	1	-1	1	-1	1	-1	1	1	-1
$\chi_{34}^{(3)}$	1	A	/E	E	/D	/C	B	D	/E	A	C	/D	/A	B	/C	/A	C	D
$\chi_{34}^{(4)}$	1	-A	/E	-E	-/D	/C	-B	-D	-/E	A	-C	/D	-/A	B	-/C	/A	C	D
$\chi_{34}^{(5)}$	1	B	A	/A	C	E	D	/C	A	B	/E	C	/B	D	E	/B	/E	/C
$\chi_{34}^{(6)}$	1	-B	A	-/A	-C	E	-D	-/C	-A	B	-/E	C	-/B	D	-E	/B	/E	/C
$\chi_{34}^{(7)}$	1	C	/D	D	/A	B	/E	A	/D	C	/B	/A	/C	/E	B	/C	/B	A
$\chi_{34}^{(8)}$	1	-C	/D	-D	-/A	B	-/E	-A	-/D	C	-/B	/A	-/C	/E	-B	/C	/B	A
$\chi_{34}^{(9)}$	1	D	B	/B	/E	/A	/C	E	B	D	A	/E	/D	/C	/A	/D	A	E
$\chi_{34}^{(10)}$	1	-D	B	-/B	-/E	/A	-/C	-E	-B	D	-A	/E	-/D	/C	-/A	/D	A	E
$\chi_{34}^{(11)}$	1	E	/C	C	B	/D	/A	/B	/C	E	D	B	/E	/A	/D	/E	D	/B
$\chi_{34}^{(12)}$	1	-E	/C	-C	-B	/D	-/A	-/B	-/C	E	-D	B	-/E	/A	-/D	/E	D	/B
$\chi_{34}^{(13)}$	1	/E	C	/C	/B	D	A	B	C	/E	/D	/B	E	A	D	E	/D	B
$\chi_{34}^{(14)}$	1	-/E	C	-/C	-/B	D	-A	-B	-C	/E	-/D	/B	-E	A	-D	E	/D	B
$\chi_{34}^{(15)}$	1	/D	/B	B	E	A	C	/E	/B	/D	/A	E	D	C	A	D	/A	/E
$\chi_{34}^{(16)}$	1	-/D	/B	-B	-E	A	-C	-/E	-/B	/D	-/A	E	-D	C	-A	D	/A	/E
$\chi_{34}^{(17)}$	1	/C	D	/D	A	/B	E	/A	D	/C	B	A	C	E	/B	C	B	/A
$\chi_{34}^{(18)}$	1	-/C	D	-/D	-A	/B	-E	-/A	-D	/C	-B	A	-C	E	-/B	C	B	/A
$\chi_{34}^{(19)}$	1	/B	/A	A	/C	/E	/D	C	/A	/B	E	/C	B	/D	/E	B	E	C
$\chi_{34}^{(20)}$	1	-/B	/A	-A	-/C	/E	-/D	-C	-/A	/B	-E	/C	-B	/D	-/E	B	E	C
$\chi_{34}^{(21)}$	1	/A	E	/E	D	C	/B	/D	E	/A	/C	D	A	/B	C	A	/C	/D
$\chi_{34}^{(22)}$	1	-/A	E	-/E	-D	C	-/B	-/D	-E	/A	-/C	D	-A	/B	-C	A	/C	/D

$\chi_{34}^{(1)}$	1	1	1
$\chi_{34}^{(2)}$	1	1	-1
$\chi_{34}^{(3)}$	E	/B	1
$\chi_{34}^{(4)}$	E	/B	-1
$\chi_{34}^{(5)}$	/A	/D	1
$\chi_{34}^{(6)}$	/A	/D	-1
$\chi_{34}^{(7)}$	D	E	1
$\chi_{34}^{(8)}$	D	E	-1
$\chi_{34}^{(9)}$	/B	C	1
$\chi_{34}^{(10)}$	/B	C	-1
$\chi_{34}^{(11)}$	C	A	1
$\chi_{34}^{(12)}$	C	A	-1
$\chi_{34}^{(13)}$	/C	/A	1
$\chi_{34}^{(14)}$	/C	/A	-1
$\chi_{34}^{(15)}$	B	/C	1
$\chi_{34}^{(16)}$	B	/C	-1
$\chi_{34}^{(17)}$	/D	/E	1
$\chi_{34}^{(18)}$	/D	/E	-1
$\chi_{34}^{(19)}$	A	D	1
$\chi_{34}^{(20)}$	A	D	-1
$\chi_{34}^{(21)}$	/E	B	1
$\chi_{34}^{(22)}$	/E	B	-1

where $A=E(11)^7$; $B=E(11)^3$; $C=E(11)^{10}$; $D=E(11)^6$; $E=E(11)^2$.

The generators of $G^{s_{35}}$ are:

(1, 260, 177, 252, 240, 142, 231, 53, 13, 244, 222) (2, 157, 135, 121, 249, 15, 23, 59, 117, 194, 129) (3, 66, 220, 55, 202, 164, 185, 97, 91, 54, 254) (4, 128, 168, 152, 273, 223, 258, 146, 112, 8, 27) (5, 226, 127, 216, 74, 37, 199, 207, 236, 158, 65) (6, 213, 214, 138, 24, 79, 119, 269, 48, 176, 241) (7, 205, 42, 123, 22, 225, 167, 115, 25, 275, 257) (9, 89, 154, 47, 114, 197, 192, 247, 276, 140, 198) (10, 11, 86, 36, 118, 191, 200, 105, 165, 161, 162) (12, 182, 228, 125, 80, 64, 262, 251, 43, 14, 170) (16, 221, 229, 190, 160, 235, 256, 69, 179, 163, 67) (17, 196, 266, 102, 224, 21, 265, 166, 83, 186, 155) (18, 39, 173, 109, 90, 248, 147, 134, 219, 169, 77) (19, 96, 239, 28, 44, 180, 58, 45, 52, 70, 211) (20, 106, 183, 88, 201, 32, 35, 120, 243, 95, 82) (26, 156, 217, 46, 62, 57, 87, 29, 187, 100, 203) (30, 151, 60, 141, 212, 184, 232, 72, 272, 250, 234) (31, 144, 210, 159, 206, 130, 246, 230, 126, 56, 153) (33, 71, 136, 68, 218, 85, 172, 81, 116, 193, 124) (34, 110, 75, 73, 208, 78, 261, 215, 174, 137, 271) (38, 238, 51, 113, 209, 50, 268, 150, 104, 253, 107) (40, 143, 175, 149, 145, 178, 63, 267, 84, 274, 204) (41, 61, 132, 111, 270, 49, 189, 92, 188, 233, 139) (76, 103, 98, 227, 133, 181, 195, 245, 264, 94, 259) (93, 99, 237, 108, 101, 122, 263, 131, 255, 242, 148) , (1, 12, 222, 170, 244, 14, 13, 43, 53, 251, 231, 262, 142, 64, 240, 80, 252, 125, 177, 228, 260, 182) (2, 153, 129, 56, 194, 126, 117, 230, 59, 246, 23, 130, 15, 206, 249, 159, 121, 210, 135, 144, 157, 31) (3, 110, 254, 34, 54, 271, 91, 137, 97, 174, 185, 215, 164, 261, 202, 78, 55, 208, 220, 73, 66, 75) (4, 98, 27, 103, 8, 76, 112, 259, 146, 94, 258, 264, 223, 245, 273, 195, 152, 181, 168, 133, 128, 227) (5, 105, 65, 200, 158, 191, 236, 118, 207, 36, 199, 86, 37, 11, 74, 10, 216, 162, 127, 161, 226, 165) (6, 79, 241, 24, 176, 138, 48, 214, 269, 213, 119) (7, 139, 257, 233, 275, 188, 25, 92, 115, 189, 167, 49, 225, 270, 22, 111, 123, 132, 42, 61, 205, 41) (9, 232, 198, 184, 140, 212, 276, 141, 247, 60, 192, 151, 197, 30, 114, 234, 47, 250, 154, 272, 89, 72) (16, 178, 67, 145, 163, 149, 179, 175, 69, 143, 256, 40, 235, 204, 160, 274, 190, 84, 229, 267, 221, 63) (17, 116, 155, 81, 186, 172, 83, 85, 166, 218, 265, 68, 21, 136, 224, 71, 102, 33, 266, 124, 196, 193) (18, 106, 77, 20, 169, 82, 219, 95, 134, 243, 147, 120, 248, 35, 90, 32, 109, 201,

173, 88, 39, 183) (19, 263, 211, 122, 70, 101, 52, 108, 45, 237, 58, 99, 180, 93, 44, 148, 28, 242, 239, 255, 96, 131) (26, 113, 203, 51, 100, 238, 187, 38, 29, 107, 87, 253, 57, 104, 62, 150, 46, 268, 217, 50, 156, 209).

The representatives of conjugacy classes of $G^{s_{35}}$ are:

() , (1, 12, 222, 170, 244, 14, 13, 43, 53, 251, 231, 262, 142, 64, 240, 80, 252, 125, 177, 228, 260, 182) (2, 153, 129, 56, 194, 126, 117, 230, 59, 246, 23, 130, 15, 206, 249, 159, 121, 210, 135, 144, 157, 31) (3, 110, 254, 34, 54, 271, 91, 137, 97, 174, 185, 215, 164, 261, 202, 78, 55, 208, 220, 73, 66, 75) (4, 98, 27, 103, 8, 76, 112, 259, 146, 94, 258, 264, 223, 245, 273, 195, 152, 181, 168, 133, 128, 227) (5, 105, 65, 200, 158, 191, 236, 118, 207, 36, 199, 86, 37, 11, 74, 10, 216, 162, 127, 161, 226, 165) (6, 79, 241, 24, 176, 138, 48, 214, 269, 213, 119) (7, 139, 257, 233, 275, 188, 25, 92, 115, 189, 167, 49, 225, 270, 22, 111, 123, 132, 42, 61, 205, 41) (9, 232, 198, 184, 140, 212, 276, 141, 247, 60, 192, 151, 197, 30, 114, 234, 47, 250, 154, 272, 89, 72) (16, 178, 67, 145, 163, 149, 179, 175, 69, 143, 256, 40, 235, 204, 160, 274, 190, 84, 229, 267, 221, 63) (17, 116, 155, 81, 186, 172, 83, 85, 166, 218, 265, 68, 21, 136, 224, 71, 102, 33, 266, 124, 196, 193) ([...]) , (1, 13, 142, 177, 222, 53, 240, 260, 244, 231, 252) (2, 117, 15, 135, 129, 59, 249, 157, 194, 23, 121) (3, 91, 164, 220, 254, 97, 202, 66, 54, 185, 55) (4, 112, 223, 168, 27, 146, 273, 128, 8, 258, 152) (5, 236, 37, 127, 65, 207, 74, 226, 158, 199, 216) (6, 48, 79, 214, 241, 269, 24, 213, 176, 119, 138) (7, 25, 225, 42, 257, 115, 22, 205, 275, 167, 123) (9, 276, 197, 154, 198, 247, 114, 89, 140, 192, 47) (10, 165, 191, 86, 162, 105, 118, 11, 161, 200, 36) (12, 43, 64, 228, 170, 251, 80, 182, 14, 262, 125) (16, 179, 235, 229, 67, 69, 160, 221, 163, 256, 190) (17, 83, 21, 266, 155, 166, 224, 196, 186, 265, 102) (18, 219, 248, 173, 77, 134, 90, 39, 169, 147, 109) (19, 52, 180, 239, 211, 45, 44, 96, 70, 58, 28) (20, 243, 32, 183, 82, 120, 201, 106, 95, 35, 88) (26, 187, 57, 217, 203, 29, 62, 156, 100, 87, 46) (30, 272, 184, 60, 234, 72, 212, 151, 250, 232, 141) (31, 126, 130, 210, 153, 230, 206, 144, 56, 246, 159) (33, 116, 85, 136, 124, 81, 218, 71, 193, 172, 68) ([...]) , (1, 14, 231, 80, 260, 170, 53, 64, 177, 12, 13, 262, 252, 182, 244, 251, 240, 228, 222, 43, 142, 125) (2, 126, 23, 159, 157, 56, 59, 206, 135, 153, 117, 130, 121, 31, 194, 246, 249, 144, 129, 230, 15, 210) (3, 271, 185, 78, 66, 34, 97, 261, 220, 110, 91, 215, 55, 75, 54, 174, 202, 73, 254, 137, 164, 208) (4, 76, 258, 195, 128, 103, 146, 245, 168, 98, 112, 264, 152, 227, 8, 94, 273, 133, 27, 259, 223, 181) (5, 191, 199, 10, 226, 200, 207, 11, 127, 105, 236, 86, 216, 165, 158, 36, 74, 161, 65, 118, 37, 162) (6, 138, 119, 176, 213, 24, 269, 241, 214, 79, 48) (7, 188, 167, 111, 205, 233, 115, 270, 42, 139, 25, 49, 123, 41, 275, 189, 22, 61, 257, 92, 225, 132) (9, 212, 192, 234, 89, 184, 247, 30, 154, 232, 276, 151, 47, 72, 140, 60, 114, 272, 198, 141, 197, 250) (16, 149, 256, 274, 221, 145, 69, 204, 229, 178, 179, 40, 190, 63, 163, 143, 160, 267, 67, 175, 235, 84) (17, 172, 265, 71, 196, 81, 166, 136, 266, 116, 83, 68, 102, 193, 186, 218, 224, 124, 155, 85, 21, 33) ([...]) , (1, 43, 240, 182, 13, 64, 260, 14, 142, 228, 244, 262, 177, 170, 231, 125, 222, 251, 252, 12, 53, 80) (2, 230, 249, 31, 117, 206, 157, 126, 15, 144, 194, 130, 135, 56, 23, 210, 129, 246, 121, 153, 59, 159) (3, 137, 202, 75, 91, 261, 66, 271, 164, 73, 54, 215, 220, 34, 185, 208, 254, 174, 55, 110, 97, 78) (4, 259, 273, 227, 112, 245, 128, 76, 223, 133, 8, 264, 168, 103, 258, 181, 27, 94, 152, 98, 146, 195) (5, 118, 74, 165, 236, 11, 226, 191, 37, 161, 158, 86, 127, 200, 199, 162, 65, 36, 216, 105, 207, 10) (6, 214, 24, 119, 48, 241, 213, 138, 79, 269, 176) (7, 92, 22, 41, 25, 270, 205, 188, 225, 61, 275, 49, 42, 233, 167, 132, 257, 189, 123, 139, 115, 111) (9, 141, 114, 72, 276, 30, 89, 212, 197, 272, 140, 151, 154, 184, 192, 250, 198, 60, 47, 232, 247, 234) (16, 175, 160, 63, 179, 204, 221, 149, 235, 267, 163, 40, 229, 145, 256, 84, 67, 143, 190, 178, 69, 274) (17, 85, 224, 193, 83, 136, 196, 172, 21, 124, 186, 68, 266, 81, 265, 33, 155, 218, 102, 116, 166, 71) ([...]) , (1, 53, 252, 222, 231, 177, 244, 142, 260, 13, 240) (2, 59, 121, 129, 23, 135, 194, 15, 157, 117, 249) (3, 97, 55, 254, 185, 220, 54, 164, 66, 91, 202) (4, 146, 152, 27, 258, 168, 8, 223, 128, 112, 273) (5, 207, 216, 65, 199, 127, 158, 37, 226, 236, 74) (6, 269, 138, 241, 119, 214, 176, 79, 213, 48, 24) (7, 115, 123, 257, 167, 42, 275, 225, 205, 25, 22) (9, 247, 47, 198, 192, 154, 140, 197, 89, 276, 114) (10, 105, 36, 162, 200, 86, 161, 191, 11, 165, 118) (12, 251, 125, 170, 262, 228, 14, 64, 182, 43, 80) (16, 69, 190, 67, 256, 229, 163, 235, 221, 179, 160) (17, 166, 102, 155, 265, 266, 186, 21, 196, 83, 224) (18, 134, 109, 77, 147, 173, 169, 248, 39, 219, 90) (19, 45, 28, 211, 58, 239, 70, 180, 96, 52, 44) (20, 120, 88, 82, 35, 183, 95, 32, 106, 243, 201) (26, 29, 46, 203, 87, 217, 100, 57, 156, 187, 62) (30, 72, 141, 234, 232, 60, 250, 184, 151, 272, 212) (31, 230, 159, 153, 246, 210, 56, 130, 144, 126, 206) (33, 81, 68, 124, 172, 136, 193, 85, 71, 116, 218) ([...]) , (1, 64, 244, 125, 53, 182, 142,

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194) (3, 220, 202, 185, 91, 254, 66, 55, 164, 97, 54) (4, 168, 273, 258, 112, 27, 128, 152, 223, 146, 8) (5, 127, 74, 199, 236, 65, 226, 216, 37, 207, 158) (6, 214, 24, 119, 48, 241, 213, 138, 79, 269, 176) (7, 42, 22, 167, 25, 257, 205, 123, 225, 115, 275) (9, 154, 114, 192, 276, 198, 89, 47, 197, 247,

140) (10, 86, 118, 200, 165, 162, 11, 36, 191, 105, 161) (12, 228, 80, 262, 43, 170, 182, 125, 64, 251, 14) (16, 229, 160, 256, 179, 67, 221, 190, 235, 69, 163) (17, 266, 224, 265, 83, 155, 196, 102, 21, 166, 186) (18, 173, 90, 147, 219, 77, 39, 109, 248, 134, 169) (19, 239, 44, 58, 52, 211, 96, 28, 180, 45, 70) (20, 183, 201, 35, 243, 82, 106, 88, 32, 120, 95) (26, 217, 62, 87, 187, 203, 156, 46, 57, 29, 100) (30, 60, 212, 232, 272, 234, 151, 141, 184, 72, 250) (31, 210, 206, 246, 126, 153, 144, 159, 130, 230, 56) (33, 136, 218, 172, 116, 124, 71, 68, 85, 81, 193) ([...]) , (1, 182, 260, 228, 177, 125, 252, 80, 240, 64, 142, 262, 231, 251, 53, 43, 13, 14, 244, 170, 222, 12) (2, 31, 157, 144, 135, 210, 121, 159, 249, 206, 15, 130, 23, 246, 59, 230, 117, 126, 194, 56, 129, 153) (3, 75, 66, 73, 220, 208, 55, 78, 202, 261, 164, 215, 185, 174, 97, 137, 91, 271, 54, 34, 254, 110) (4, 227, 128, 133, 168, 181, 152, 195, 273, 245, 223, 264, 258, 94, 146, 259, 112, 76, 8, 103, 27, 98) (5, 165, 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200, 191, 118, 36, 86, 11) (12, 170, 14, 43, 251, 262, 64, 80, 125, 228, 182) (16, 67, 163, 179, 69, 256, 235, 160, 190, 229, 221) (17, 155, 186, 83, 166, 265, 21, 224, 102, 266, 196) (18, 77, 169, 219, 134, 147, 248, 90, 109, 173, 39) (19, 211, 70, 52, 45, 58, 180, 44, 28, 239, 96) (20, 82, 95, 243, 120, 35, 32, 201, 88, 183, 106) (26, 203, 100, 187, 29, 87, 57, 62, 46, 217, 156) (30, 234, 250, 272, 72, 232, 184, 212, 141, 60, 151) (31, 153, 56, 126, 230, 246, 130, 206, 159, 210, 144) (33, 124, 193, 116, 81, 172, 85, 218, 68, 136, 71) ([...]) , (1, 228, 252, 64, 231, 43, 244, 12, 260, 125, 240, 262, 53, 14, 222, 182, 177, 80, 142, 251, 13, 170) (2, 144, 121, 206, 23, 230, 194, 153, 157, 210, 249, 130, 59, 126, 129, 31, 135, 159, 15, 246, 117, 56) (3, 73, 55, 261, 185, 137, 54, 110, 66, 208, 202, 215, 97, 271, 254, 75, 220, 78, 164, 174, 91, 34) (4, 133, 152, 245, 258, 259, 8, 98, 128, 181, 273, 264, 146, 76, 27, 227, 168, 195, 223, 94, 112, 103) (5, 161, 216, 11, 199, 118, 158, 105, 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100, 217, 87, 203, 46, 29) (30, 212, 272, 151, 184, 250, 60, 232, 234, 141, 72) (31, 206, 126, 144, 130, 56, 210, 246, 153, 159, 230) (33, 218, 116, 71, 85, 193, 136, 172, 124, 68, 81) ([...]) , (1, 244, 53, 142, 252, 260, 222, 13, 231, 240, 177) (2, 194, 59, 15, 121, 157, 129, 117, 23, 249, 135) (3, 54, 97, 164, 55, 66, 254, 91, 185, 202, 220) (4, 8, 146, 223, 152, 128, 27, 112, 258, 273, 168) (5, 158, 207, 37, 216, 226, 65, 236, 199, 74, 127) (6, 176, 269, 79, 138, 213, 241, 48, 119, 24, 214) (7, 275, 115, 225, 123, 205, 257, 25, 167, 22, 42) (9, 140, 247, 197, 47, 89, 198, 276, 192, 114, 154) (10, 161, 105, 191, 36, 11, 162, 165, 200, 118, 86) (12, 14, 251, 64, 125, 182, 170, 43, 262, 80, 228) (16, 163, 69, 235, 190, 221, 67, 179, 256, 160, 229) (17, 186, 166, 21, 102, 196, 155, 83, 265, 224, 266) (18, 169, 134, 248, 109, 39, 77, 219, 147, 90, 173) (19, 70, 45, 180, 28, 96, 211, 52, 58, 44, 239) (20, 95, 120, 32, 88, 106, 82, 243, 35, 201, 183) (26, 100, 29, 57, 46, 156, 203, 187, 87, 62, 217) (30, 250, 72, 184, 141, 151, 234, 272, 232, 212, 60) (31, 56, 230, 130, 159, 144, 153, 126, 246, 206, 210) (33, 193, 81, 85, 68, 71, 124, 116, 172, 218, 136) ([...]) , (1, 251, 177, 14, 240, 12, 231, 228, 13, 80, 222, 262, 260, 43, 252, 170, 142, 182, 53, 125, 244, 64) (2, 246, 135, 126, 249, 153, 23, 144, 117, 159, 129, 130, 157, 230, 121, 56, 15, 31, 59, 210, 194, 206) (3, 174, 220, 271, 202, 110, 185, 73, 91, 78, 254, 215, 66, 137, 55, 34, 164, 75, 97, 208, 54, 261) (4, 94, 168, 76, 273, 98, 258, 133, 112, 195, 27, 264, 128, 259, 152, 103, 223, 227, 146, 181, 8, 245) (5, 36, 127, 191, 74, 105, 199, 161, 236, 10, 65, 86, 226, 118, 216, 200, 37, 165, 207, 162, 158, 11) (6, 213, 214, 138, 24, 79, 119, 269, 48, 176, 241) (7, 189, 42, 188, 22, 139, 167, 61, 25, 111, 257, 49, 205, 92, 123, 233, 225, 41, 115, 132, 275, 270) (9, 60, 154, 212, 114, 232, 192, 272, 276, 234, 198, 151, 89, 141, 47, 184, 197, 72, 247, 250, 140, 30) (16, 143, 229, 149, 160, 178, 256, 267, 179, 274, 67, 40, 221, 175, 190, 145, 235, 63, 69, 84, 163, 204) (17, 218, 266, 172, 224, 116, 265, 124, 83, 71, 155, 68, 196, 85, 102, 81, 21, 193, 166, 33, 186, 136) ([...]) , (1, 252, 231, 244, 260, 240, 53, 222, 177, 142, 13) (2, 121, 23, 194, 157, 249, 59, 129, 135, 15, 117) (3, 55, 185, 54, 66, 202, 97, 254, 220, 164, 91) (4, 152, 258, 8, 128, 273, 146, 27, 168, 223, 112) (5, 216, 199, 158, 226, 74, 207, 65, 127, 37, 236) (6, 138, 119, 176, 213, 24, 269, 241, 214, 79, 48) (7, 123, 167, 275, 205, 22, 115, 257, 42, 225, 25) (9, 47, 192, 140, 89, 114, 247, 198, 154, 197, 276) (10, 36, 200, 161, 11, 118, 105, 162, 86, 191, 165) (12, 125, 262, 14, 182, 80, 251, 170, 228, 64, 43) (16, 190, 256, 163, 221, 160, 69, 67, 229, 235, 179) (17, 102, 265, 186, 196, 224, 166, 155, 266, 21, 83) (18, 109, 147, 169, 39, 90, 134, 77, 173, 248, 219) (19, 28, 58, 70, 96, 44, 45, 211, 239, 180, 52) (20, 88, 35, 95, 106, 201, 120, 82, 183, 32, 243) (26, 46, 87, 100, 156, 62, 29, 203, 217, 57, 187) (30, 141, 232, 250, 151, 212, 72, 234, 60, 184, 272) (31, 159, 246, 56, 144, 206, 230, 153, 210, 130, 126) (33, 68, 172, 193, 71, 218, 81, 124, 136, 85, 116) ([...]) , (1, 260, 177, 252, 240, 142, 231, 53, 13, 244, 222) (2, 157, 135, 121, 249, 15, 23, 59, 117, 194, 129) (3, 66, 220, 55, 202, 164, 185, 97, 91, 54, 254) (4, 128, 168, 152, 273, 223, 258, 146, 112, 8, 27) (5, 226, 127, 216, 74, 37, 199, 207, 236, 158, 65) (6, 213, 214, 138, 24, 79, 119, 269, 48, 176, 241) (7, 205, 42, 123, 22, 225, 167, 115, 25, 275, 257) (9, 89, 154, 47, 114, 197, 192, 247, 276, 140, 198) (10, 11, 86, 36, 118, 191, 200, 105, 165, 161, 162) (12, 182, 228, 125, 80, 64, 262, 251, 43, 14, 170) (16, 221, 229, 190, 160, 235, 256, 69, 179, 163, 67) (17, 196, 266, 102, 224, 21, 265, 166, 83, 186, 155) (18, 39, 173, 109, 90, 248, 147, 134, 219, 169, 77) (19, 96, 239, 28, 44, 180, 58, 45, 52, 70, 211) (20, 106, 183, 88, 201, 32, 35, 120, 243, 95, 82) (26, 156, 217, 46, 62, 57, 87, 29, 187, 100, 203) (30, 151, 60, 141, 212, 184, 232, 72, 272, 250, 234) (31, 144, 210, 159, 206, 130, 246, 230, 126, 56, 153) (33, 71, 136, 68, 218, 85, 172, 81, 116, 193, 124) ([...]) , (1, 262) (2, 130) (3, 215) (4, 264) (5, 86) (7, 49) (8, 195) (9, 151) (10, 158) (11, 65) (12, 142) (13, 125) (14, 252) (15, 153) (16, 40) (17, 68) (18, 120) (19, 99) (20, 90) (21, 116) (22, 233) (23, 31) (25, 132) (26, 253) (27, 245) (28, 101) (29, 50) (30, 198) (32, 169) (33, 83) (34, 202) (35, 77) (36, 226) (37, 105) (38, 217) (39, 243) (41, 167) (42, 92) (43, 177) (44, 122) (45, 255) (46, 238) (47, 212) (51, 62) (52, 242) (53, 228) (54, 78) (55, 271) (56, 249) (57, 113) (58, 131) (59, 144) (60, 89) (61, 115) (63, 256) (64, 222) (66, 174) (67, 204) (69, 267) (70, 148) (71, 186) (72, 192) (73, 97) (74, 200) (75, 185) (76, 152) (80, 244) (81, 224) (82, 109) (84, 179) (85, 266) (87, 209) (88, 134) (91, 208) (93, 211) (94, 128) (95, 173) (96, 237) (98, 223) (100, 150) (102, 172) (103, 273) (104, 203) (106, 248) (107, 156) (108, 239) (110, 164) (111, 275) (112, 181) (114, 184) (117, 210) (118, 127) (121, 126) (123, 188) (124, 166) (129, 206) (133, 146) (135, 230) (136, 155) (137, 220) ([...]) .

The character table of $G^{s_{35}}$:

	10																	
$\chi_{35}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{35}^{(2)}$	1	-1	1	-1	-1	1	-1	-1	-1	1	-1	1	-1	1	-1	1	1	-1
$\chi_{35}^{(3)}$	1	A	-/E	E	/D	-/C	B	D	/E	-A	C	-/D	/A	-B	/C	-/A	-C	-D
$\chi_{35}^{(4)}$	1	B	-A	/A	C	-E	D	/C	A	-B	/E	-C	/B	-D	E	-/B	-/E	-/C
$\chi_{35}^{(5)}$	1	C	-/D	D	/A	-B	/E	A	/D	-C	/B	-/A	/C	-/E	B	-/C	-/B	-A
$\chi_{35}^{(6)}$	1	D	-B	/B	/E	-/A	/C	E	B	-D	A	-/E	/D	-/C	/A	-/D	-A	-E
$\chi_{35}^{(7)}$	1	E	-/C	C	B	-/D	/A	/B	/C	-E	D	-B	/E	-/A	/D	-/E	-D	-/B
$\chi_{35}^{(8)}$	1	/E	-C	/C	/B	-D	A	B	C	-/E	/D	-/B	E	-A	D	-E	-/D	-B
$\chi_{35}^{(9)}$	1	/D	-/B	B	E	-A	C	/E	/B	-/D	/A	-E	D	-C	A	-D	-/A	-/E
$\chi_{35}^{(10)}$	1	/C	-D	/D	A	-/B	E	/A	D	-/C	B	-A	C	-E	/B	-C	-B	-/A
$\chi_{35}^{(11)}$	1	/B	-/A	A	/C	-/E	/D	C	/A	-/B	E	-/C	B	-/D	/E	-B	-E	-C
$\chi_{35}^{(12)}$	1	/A	-E	/E	D	-C	/B	/D	E	-/A	/C	-D	A	-/B	C	-A	-/C	-/D
$\chi_{35}^{(13)}$	1	-/A	-E	-/E	-D	-C	-/B	-/D	-E	-/A	-/C	-D	-A	-/B	-C	-A	-/C	-/D
$\chi_{35}^{(14)}$	1	-/B	-/A	-A	-/C	-/E	-/D	-C	-/A	-/B	-E	-/C	-B	-/D	-/E	-B	-E	-C
$\chi_{35}^{(15)}$	1	-/C	-D	-/D	-A	-/B	-E	-/A	-D	-/C	-B	-A	-C	-E	-/B	-C	-B	-/A
$\chi_{35}^{(16)}$	1	-/D	-/B	-B	-E	-A	-C	-/E	-/B	-/D	-/A	-E	-D	-C	-A	-D	-/A	-/E
$\chi_{35}^{(17)}$	1	-/E	-C	-/C	-/B	-D	-A	-B	-C	-/E	-/D	-/B	-E	-A	-D	-E	-/D	-B
$\chi_{35}^{(18)}$	1	-E	-/C	-C	-B	-/D	-/A	-/B	-/C	-E	-D	-B	-/E	-/A	-/D	-/E	-D	-/B
$\chi_{35}^{(19)}$	1	-D	-B	-/B	-/E	-/A	-/C	-E	-B	-D	-A	-/E	-/D	-/C	-/A	-/D	-A	-E
$\chi_{35}^{(20)}$	1	-C	-/D	-D	-/A	-B	-/E	-A	-/D	-C	-/B	-/A	-/C	-/E	-B	-/C	-/B	-A
$\chi_{35}^{(21)}$	1	-B	-A	-/A	-C	-E	-D	-/C	-A	-B	-/E	-C	-/B	-D	-E	-/B	-/E	-/C
$\chi_{35}^{(22)}$	1	-A	-/E	-E	-/D	-/C	-B	-D	-/E	-A	-C	-/D	-/A	-B	-/C	-/A	-C	-D

$\chi_{35}^{(1)}$	1	1	1
$\chi_{35}^{(2)}$	1	1	-1
$\chi_{35}^{(3)}$	-E	-/B	-1
$\chi_{35}^{(4)}$	-/A	-/D	-1
$\chi_{35}^{(5)}$	-D	-E	-1
$\chi_{35}^{(6)}$	-/B	-C	-1
$\chi_{35}^{(7)}$	-C	-A	-1
$\chi_{35}^{(8)}$	-/C	-/A	-1
$\chi_{35}^{(9)}$	-B	-/C	-1
$\chi_{35}^{(10)}$	-/D	-/E	-1
$\chi_{35}^{(11)}$	-A	-D	-1
$\chi_{35}^{(12)}$	-/E	-B	-1
$\chi_{35}^{(13)}$	-/E	-B	1
$\chi_{35}^{(14)}$	-A	-D	1
$\chi_{35}^{(15)}$	-/D	-/E	1
$\chi_{35}^{(16)}$	-B	-/C	1
$\chi_{35}^{(17)}$	-/C	-/A	1
$\chi_{35}^{(18)}$	-C	-A	1
$\chi_{35}^{(19)}$	-/B	-C	1
$\chi_{35}^{(20)}$	-D	-E	1
$\chi_{35}^{(21)}$	-/A	-/D	1
$\chi_{35}^{(22)}$	-E	-/B	1

where $A=-E(11)$; $B=-E(11)^2$; $C=-E(11)^3$; $D=-E(11)^4$; $E=-E(11)^5$.

The generators of $G^{s_{36}}$ are:

(1, 177, 240, 231, 13, 222, 260, 252, 142, 53, 244) (2, 135, 249, 23, 117, 129, 157, 121, 15, 59, 194) (3, 220, 202, 185, 91, 254, 66, 55, 164, 97, 54) (4, 168, 273, 258, 112, 27, 128, 152, 223, 146, 8) (5, 127, 74, 199, 236, 65, 226, 216, 37, 207, 158) (6, 214, 24, 119, 48, 241, 213, 138, 79, 269, 176) (7, 42, 22, 167, 25, 257, 205, 123, 225, 115, 275) (9, 154, 114, 192, 276, 198, 89, 47, 197, 247, 140) (10, 86, 118, 200, 165, 162, 11, 36, 191, 105, 161) (12, 228, 80, 262, 43, 170, 182, 125, 64, 251, 14) (16, 229, 160, 256, 179, 67, 221, 190, 235, 69, 163) (17, 266, 224, 265, 83, 155, 196, 102, 21, 166, 186) (18, 173, 90, 147, 219, 77, 39, 109, 248, 134, 169) (19, 239, 44, 58, 52, 211, 96, 28, 180, 45, 70) (20, 183, 201, 35, 243, 82, 106, 88, 32, 120, 95) (26, 217, 62, 87, 187, 203, 156, 46, 57, 29, 100) (30, 60, 212, 232, 272, 234, 151, 141, 184, 72, 250) (31, 210, 206, 246, 126, 153, 144, 159, 130, 230, 56) (33, 136, 218, 172, 116, 124, 71, 68, 85, 81, 193) (34, 75, 208, 261, 174, 271, 110, 73, 78, 215, 137) (38, 51, 209, 268, 104, 107, 238, 113, 50, 150, 253) (40, 175, 145, 63, 84, 204, 143, 149, 178, 267, 274) (41, 132, 270, 189, 188, 139, 61, 111, 49, 92, 233) (76, 98, 133, 195, 264, 259, 103, 227, 181, 245, 94) (93, 237, 101, 263, 255, 148, 99, 108, 122, 131, 242) , (1, 12, 222, 170, 244, 14, 13, 43, 53, 251, 231, 262, 142, 64, 240, 80, 252, 125, 177, 228, 260, 182) (2, 153, 129, 56, 194, 126, 117, 230, 59, 246, 23, 130, 15, 206, 249, 159, 121, 210, 135, 144, 157, 31) (3, 110, 254, 34, 54, 271, 91, 137, 97, 174, 185, 215, 164, 261, 202, 78, 55, 208, 220, 73, 66, 75) (4, 98, 27, 103, 8, 76, 112, 259, 146, 94, 258, 264, 223, 245, 273, 195, 152, 181, 168, 133, 128, 227) (5, 105, 65, 200, 158, 191, 236, 118, 207, 36, 199, 86, 37, 11, 74, 10, 216, 162, 127, 161, 226, 165) (6, 79, 241, 24, 176, 138, 48, 214, 269, 213, 119) (7, 139, 257, 233, 275, 188, 25, 92, 115, 189, 167, 49, 225, 270, 22, 111, 123, 132, 42, 61, 205, 41) (9, 232, 198, 184, 140, 212, 276, 141, 247, 60, 192, 151, 197, 30, 114, 234, 47, 250, 154, 272, 89, 72) (16, 178, 67, 145, 163, 149, 179, 175, 69, 143, 256, 40, 235, 204, 160, 274, 190, 84, 229, 267, 221, 63) (17, 116, 155, 81, 186, 172, 83, 85, 166, 218, 265, 68, 21, 136, 224, 71, 102, 33, 266, 124, 196, 193) (18, 106, 77, 20, 169, 82, 219, 95, 134, 243, 147, 120, 248, 35, 90, 32, 109, 201, 173, 88, 39, 183) (19, 263, 211, 122, 70, 101, 52, 108, 45, 237, 58, 99, 180, 93, 44, 148, 28,

242, 239, 255, 96, 131) (26, 113, 203, 51, 100, 238, 187, 38, 29, 107, 87, 253, 57, 104, 62, 150, 46, 268, 217, 50, 156, 209).

The representatives of conjugacy classes of $G^{s_{36}}$ are:

() , (1, 12, 222, 170, 244, 14, 13, 43, 53, 251, 231, 262, 142, 64, 240, 80, 252, 125, 177, 228, 260, 182) (2, 153, 129, 56, 194, 126, 117, 230, 59, 246, 23, 130, 15, 206, 249, 159, 121, 210, 135, 144, 157, 31) (3, 110, 254, 34, 54, 271, 91, 137, 97, 174, 185, 215, 164, 261, 202, 78, 55, 208, 220, 73, 66, 75) (4, 98, 27, 103, 8, 76, 112, 259, 146, 94, 258, 264, 223, 245, 273, 195, 152, 181, 168, 133, 128, 227) (5, 105, 65, 200, 158, 191, 236, 118, 207, 36, 199, 86, 37, 11, 74, 10, 216, 162, 127, 161, 226, 165) (6, 79, 241, 24, 176, 138, 48, 214, 269, 213, 119) (7, 139, 257, 233, 275, 188, 25, 92, 115, 189, 167, 49, 225, 270, 22, 111, 123, 132, 42, 61, 205, 41) (9, 232, 198, 184, 140, 212, 276, 141, 247, 60, 192, 151, 197, 30, 114, 234, 47, 250, 154, 272, 89, 72) (16, 178, 67, 145, 163, 149, 179, 175, 69, 143, 256, 40, 235, 204, 160, 274, 190, 84, 229, 267, 221, 63) (17, 116, 155, 81, 186, 172, 83, 85, 166, 218, 265, 68, 21, 136, 224, 71, 102, 33, 266, 124, 196, 193) ([...]) , (1, 13, 142, 177, 222, 53, 240, 260, 244, 231, 252) (2, 117, 15, 135, 129, 59, 249, 157, 194, 23, 121) (3, 91, 164, 220, 254, 97, 202, 66, 54, 185, 55) (4, 112, 223, 168, 27, 146, 273, 128, 8, 258, 152) (5, 236, 37, 127, 65, 207, 74, 226, 158, 199, 216) (6, 48, 79, 214, 241, 269, 24, 213, 176, 119, 138) (7, 25, 225, 42, 257, 115, 22, 205, 275, 167, 123) (9, 276, 197, 154, 198, 247, 114, 89, 140, 192, 47) (10, 165, 191, 86, 162, 105, 118, 11, 161, 200, 36) (12, 43, 64, 228, 170, 251, 80, 182, 14, 262, 125) (16, 179, 235, 229, 67, 69, 160, 221, 163, 256, 190) (17, 83, 21, 266, 155, 166, 224, 196, 186, 265, 102) (18, 219, 248, 173, 77, 134, 90, 39, 169, 147, 109) (19, 52, 180, 239, 211, 45, 44, 96, 70, 58, 28) (20, 243, 32, 183, 82, 120, 201, 106, 95, 35, 88) (26, 187, 57, 217, 203, 29, 62, 156, 100, 87, 46) (30, 272, 184, 60, 234, 72, 212, 151, 250, 232, 141) (31, 126, 130, 210, 153, 230, 206, 144, 56, 246, 159) (33, 116, 85, 136, 124, 81, 218, 71, 193, 172, 68) ([...]) , (1, 14, 231, 80, 260, 170, 53, 64, 177, 12, 13, 262, 252, 182, 244, 251, 240, 228, 222, 43, 142, 125) (2, 126, 23, 159, 157, 56, 59, 206, 135, 153, 117, 130, 121, 31, 194, 246, 249, 144, 129, 230, 15, 210) (3, 271, 185, 78, 66, 34, 97, 261, 220, 110, 91, 215, 55, 75, 54, 174, 202, 73, 254, 137, 164, 208) (4, 76, 258, 195, 128, 103, 146, 245, 168, 98, 112, 264, 152, 227, 8, 94, 273, 133, 27, 259, 223, 181) (5, 191, 199, 10, 226, 200, 207, 11, 127, 105, 236, 86, 216, 165, 158, 36, 74, 161, 65, 118, 37, 162) (6, 138, 119, 176, 213, 24, 269, 241, 214, 79, 48) (7, 188, 167, 111, 205, 233, 115, 270, 42, 139, 25, 49, 123, 41, 275, 189, 22, 61, 257, 92, 225, 132) (9, 212, 192, 234, 89, 184, 247, 30, 154, 232, 276, 151, 47, 72, 140, 60, 114, 272, 198, 141, 197, 250) (16, 149, 256, 274, 221, 145, 69, 204, 229, 178, 179, 40, 190, 63, 163, 143, 160, 267, 67, 175, 235, 84) (17, 172, 265, 71, 196, 81, 166, 136, 266, 116, 83, 68, 102, 193, 186, 218, 224, 124, 155, 85, 21, 33) ([...]) , (1, 43, 240, 182, 13, 64, 260, 14, 142, 228, 244, 262, 177, 170, 231, 125, 222, 251, 252, 12, 53, 80) (2, 230, 249, 31, 117, 206, 157, 126, 15, 144, 194, 130, 135, 56, 23, 210, 129, 246, 121, 153, 59, 159) (3, 137, 202, 75, 91, 261, 66, 271, 164, 73, 54, 215, 220, 34, 185, 208, 254, 174, 55, 110, 97, 78) (4, 259, 273, 227, 112, 245, 128, 76, 223, 133, 8, 264, 168, 103, 258, 181, 27, 94, 152, 98, 146, 195) (5, 118, 74, 165, 236, 11, 226, 191, 37, 161, 158, 86, 127, 200, 199, 162, 65, 36, 216, 105, 207, 10) (6, 214, 24, 119, 48, 241, 213, 138, 79, 269, 176) (7, 92, 22, 41, 25, 270, 205, 188, 225, 61, 275, 49, 42, 233, 167, 132, 257, 189, 123, 139, 115, 111) (9, 141, 114, 72, 276, 30, 89, 212, 197, 272, 140, 151, 154, 184, 192, 250, 198, 60, 47, 232, 247, 234) (16, 175, 160, 63, 179, 204, 221, 149, 235, 267, 163, 40, 229, 145, 256, 84, 67, 143, 190, 178, 69, 274) (17, 85, 224, 193, 83, 136, 196, 172, 21, 124, 186, 68, 266, 81, 265, 33, 155, 218, 102, 116, 166, 71) ([...]) , (1, 53, 252, 222, 231, 177, 244, 142, 260, 13, 240) (2, 59, 121, 129, 23, 135, 194, 15, 157, 117, 249) (3, 97, 55, 254, 185, 220, 54, 164, 66, 91, 202) (4, 146, 152, 27, 258, 168, 8, 223, 128, 112, 273) (5, 207, 216, 65, 199, 127, 158, 37, 226, 236, 74) (6, 269, 138, 241, 119, 214, 176, 79, 213, 48, 24) (7, 115, 123, 257, 167, 42, 275, 225, 205, 25, 22) (9, 247, 47, 198, 192, 154, 140, 197, 89, 276, 114) (10, 105, 36, 162, 200, 86, 161, 191, 11, 165, 118) (12, 251, 125, 170, 262, 228, 14, 64, 182, 43, 80) (16, 69, 190, 67, 256, 229, 163, 235, 221, 179, 160) (17, 166, 102, 155, 265, 266, 186, 21, 196, 83, 224) (18, 134, 109, 77, 147, 173, 169, 248, 39, 219, 90) (19, 45, 28, 211, 58, 239, 70, 180, 96, 52, 44) (20, 120, 88, 82, 35, 183, 95, 32, 106, 243, 201) (26, 29, 46, 203, 87, 217, 100, 57, 156, 187, 62) (30, 72, 141, 234, 232, 60, 250, 184, 151, 272, 212) (31, 230, 159, 153, 246, 210, 56, 130, 144, 126, 206) (33, 81, 68, 124, 172, 136, 193, 85, 71, 116, 218) ([...]) , (1, 64, 244, 125, 53, 182, 142,

170, 252, 43, 260, 262, 222, 80, 13, 228, 231, 12, 240, 14, 177, 251) (2, 206, 194, 210, 59, 31, 15, 56, 121, 230, 157, 130, 129, 159, 117, 144, 23, 153, 249, 126, 135, 246) (3, 261, 54, 208, 97, 75, 164, 34, 55, 137, 66, 215, 254, 78, 91, 73, 185, 110, 202, 271, 220, 174) (4, 245, 8, 181, 146, 227, 223, 103, 152, 259, 128, 264, 27, 195, 112, 133, 258, 98, 273, 76, 168, 94) (5, 11, 158, 162, 207, 165, 37, 200, 216, 118, 226, 86, 65, 10, 236, 161, 199, 105, 74, 191, 127, 36) (6, 241, 176, 48, 269, 119, 79, 24, 138, 214, 213) (7, 270, 275, 132, 115, 41, 225, 233, 123, 92, 205, 49, 257, 111, 25, 61, 167, 139, 22, 188, 42, 189) (9, 30, 140, 250, 247, 72, 197, 184, 47, 141, 89, 151, 198, 234, 276, 272, 192, 232, 114, 212, 154, 60) (16, 204, 163, 84, 69, 63, 235, 145, 190, 175, 221, 40, 67, 274, 179, 267, 256, 178, 160, 149, 229, 143) (17, 136, 186, 33, 166, 193, 21, 81, 102, 85, 196, 68, 155, 71, 83, 124, 265, 116, 224, 172, 266, 218) ([...]) , (1, 80, 53, 12, 252, 251, 222, 125, 231, 170, 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100, 217, 87, 203, 46, 29) (30, 212, 272, 151, 184, 250, 60, 232, 234, 141, 72) (31, 206, 126, 144, 130, 56, 210, 246, 153, 159, 230) (33, 218, 116, 71, 85, 193, 136, 172, 124, 68, 81) ([...]) , (1, 244, 53, 142, 252, 260, 222, 13, 231, 240, 177) (2, 194, 59, 15, 121, 157, 129, 117, 23, 249, 135) (3, 54, 97, 164, 55, 66, 254, 91, 185, 202, 220) (4, 8, 146, 223, 152, 128, 27, 112, 258, 273, 168) (5, 158, 207, 37, 216, 226, 65, 236, 199, 74, 127) (6, 176, 269, 79, 138, 213, 241, 48, 119, 24, 214) (7, 275, 115, 225, 123, 205, 257, 25, 167, 22, 42) (9, 140, 247, 197, 47, 89, 198, 276, 192, 114, 154) (10, 161, 105, 191, 36, 11, 162, 165, 200, 118, 86) (12, 14, 251, 64, 125, 182, 170, 43, 262, 80, 228) (16, 163, 69, 235, 190, 221, 67, 179, 256, 160, 229) (17, 186, 166, 21, 102, 196, 155, 83, 265, 224, 266) (18, 169, 134, 248, 109, 39, 77, 219, 147, 90, 173) (19, 70, 45, 180, 28, 96, 211, 52, 58, 44, 239) (20, 95, 120, 32, 88, 106, 82, 243, 35, 201, 183) (26, 100, 29, 57, 46, 156, 203, 187, 87, 62, 217) (30, 250, 72, 184, 141, 151, 234, 272, 232, 212, 60) (31, 56, 230, 130, 159, 144, 153, 126, 246, 206, 210) (33, 193, 81, 85, 68, 71, 124, 116, 172, 218, 136) ([...]) , (1, 251, 177, 14, 240, 12, 231, 228, 13, 80, 222, 262, 260, 43, 252, 170, 142, 182, 53, 125, 244, 64) (2, 246, 135, 126, 249, 153, 23, 144, 117, 159, 129, 130, 157, 230, 121, 56, 15, 31, 59, 210, 194, 206) (3, 174, 220, 271, 202, 110, 185, 73, 91, 78, 254, 215, 66, 137, 55, 34, 164, 75, 97, 208, 54, 261) (4, 94, 168, 76, 273, 98, 258, 133, 112, 195, 27, 264, 128, 259, 152, 103, 223, 227, 146, 181, 8, 245) (5, 36, 127, 191, 74, 105, 199, 161, 236, 10, 65, 86, 226, 118, 216, 200, 37, 165, 207, 162, 158, 11) (6, 213, 214, 138, 24, 79, 119, 269, 48, 176, 241) (7, 189, 42, 188, 22, 139, 167, 61, 25, 111, 257, 49, 205, 92, 123, 233, 225, 41, 115, 132, 275, 270) (9, 60, 154, 212, 114, 232, 192, 272, 276, 234, 198, 151, 89, 141, 47, 184, 197, 72, 247, 250, 140, 30) (16, 143, 229, 149, 160, 178, 256, 267, 179, 274, 67, 40, 221, 175, 190, 145, 235, 63, 69, 84, 163, 204) (17, 218, 266, 172, 224, 116, 265, 124, 83, 71, 155, 68, 196, 85, 102, 81, 21, 193, 166, 33, 186, 136) ([...]) , (1, 252, 231, 244, 260, 240, 53, 222, 177, 142, 13) (2, 121, 23, 194, 157, 249, 59, 129, 135, 15, 117) (3, 55, 185, 54, 66, 202, 97, 254, 220, 164, 91) (4, 152, 258, 8, 128, 273, 146, 27, 168, 223, 112) (5, 216, 199, 158, 226, 74, 207, 65, 127, 37, 236) (6, 138, 119, 176, 213, 24, 269, 241, 214, 79, 48) (7, 123, 167, 275, 205, 22, 115, 257, 42, 225, 25) (9, 47, 192, 140, 89, 114, 247, 198, 154, 197, 276) (10, 36, 200, 161, 11, 118, 105, 162, 86, 191, 165) (12, 125, 262, 14, 182, 80, 251, 170, 228, 64, 43) (16, 190, 256, 163, 221, 160, 69, 67, 229, 235, 179) (17, 102, 265, 186, 196, 224, 166, 155, 266, 21, 83) (18, 109, 147, 169, 39, 90, 134, 77, 173, 248, 219) (19, 28, 58, 70, 96, 44, 45, 211, 239, 180, 52) (20, 88, 35, 95, 106, 201, 120, 82, 183, 32, 243) (26, 46, 87, 100, 156, 62, 29, 203, 217, 57, 187) (30, 141, 232, 250, 151, 212, 72, 234, 60, 184, 272) (31, 159, 246, 56, 144, 206, 230, 153, 210, 130, 126) (33, 68, 172, 193, 71, 218, 81, 124, 136, 85, 116) ([...]) , (1, 260, 177, 252, 240, 142, 231, 53, 13, 244, 222) (2, 157, 135, 121, 249, 15, 23, 59, 117, 194, 129) (3, 66, 220, 55, 202, 164, 185, 97, 91, 54, 254) (4, 128, 168, 152, 273, 223, 258, 146, 112, 8, 27) (5, 226, 127, 216, 74, 37, 199, 207, 236, 158, 65) (6, 213, 214, 138, 24, 79, 119, 269, 48, 176, 241) (7, 205, 42, 123, 22, 225, 167, 115, 25, 275, 257) (9, 89, 154, 47, 114, 197, 192, 247, 276, 140, 198) (10, 11, 86, 36, 118, 191, 200, 105, 165, 161, 162) (12, 182, 228, 125, 80, 64, 262, 251, 43, 14, 170) (16, 221, 229, 190, 160, 235, 256, 69, 179, 163, 67) (17, 196, 266, 102, 224, 21, 265, 166, 83, 186, 155) (18, 39, 173, 109, 90, 248, 147, 134, 219, 169, 77) (19, 96, 239, 28, 44, 180, 58, 45, 52, 70, 211) (20, 106, 183, 88, 201, 32, 35, 120, 243, 95, 82) (26, 156, 217, 46, 62, 57, 87, 29, 187, 100, 203) (30, 151, 60, 141, 212, 184, 232, 72, 272, 250, 234) (31, 144, 210, 159, 206, 130, 246, 230, 126, 56, 153) (33, 71, 136, 68, 218, 85, 172, 81, 116, 193, 124) ([...]) , (1, 262) (2, 130) (3, 215) (4, 264) (5, 86) (7, 49) (8, 195) (9, 151) (10, 158) (11, 65) (12, 142) (13, 125) (14, 252) (15, 153) (16, 40) (17, 68) (18, 120) (19, 99) (20, 90) (21, 116) (22, 233) (23, 31) (25, 132) (26, 253) (27, 245) (28, 101) (29, 50) (30, 198) (32, 169) (33, 83) (34, 202) (35, 77) (36, 226) (37, 105) (38, 217) (39, 243) (41, 167) (42, 92) (43, 177) (44, 122) (45, 255) (46, 238) (47, 212) (51, 62) (52, 242) (53, 228) (54, 78) (55, 271) (56, 249) (57, 113) (58, 131) (59, 144) (60, 89) (61, 115) (63, 256) (64, 222) (66, 174) (67, 204) (69, 267) (70, 148) (71, 186) (72, 192) (73, 97) (74, 200) (75, 185) (76, 152) (80, 244) (81, 224) (82, 109) (84, 179) (85, 266) (87, 209) (88, 134) (91, 208) (93, 211) (94, 128) (95, 173) (96, 237) (98, 223) (100, 150) (102, 172) (103, 273) (104, 203) (106, 248) (107, 156) (108, 239) (110, 164) (111, 275) (112, 181) (114, 184) (117, 210) (118, 127) (121, 126) (123, 188) (124, 166) (129, 206) (133, 146) (135, 230) (136, 155) (137, 220) ([...]) .

The character table of $G^{s_{36}}$:

	10																	
$\chi_{36}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{36}^{(2)}$	1	-1	1	-1	-1	1	-1	-1	-1	1	-1	1	-1	1	-1	1	1	-1
$\chi_{36}^{(3)}$	1	A	-/E	E	/D	-/C	B	D	/E	-A	C	-/D	/A	-B	/C	-/A	-C	-D
$\chi_{36}^{(4)}$	1	B	-A	/A	C	-E	D	/C	A	-B	/E	-C	/B	-D	E	-/B	-/E	-/C
$\chi_{36}^{(5)}$	1	C	-/D	D	/A	-B	/E	A	/D	-C	/B	-/A	/C	-/E	B	-/C	-/B	-A
$\chi_{36}^{(6)}$	1	D	-B	/B	/E	-/A	/C	E	B	-D	A	-/E	/D	-/C	/A	-/D	-A	-E
$\chi_{36}^{(7)}$	1	E	-/C	C	B	-/D	/A	/B	/C	-E	D	-B	/E	-/A	/D	-/E	-D	-/B
$\chi_{36}^{(8)}$	1	/E	-C	/C	/B	-D	A	B	C	-/E	/D	-/B	E	-A	D	-E	-/D	-B
$\chi_{36}^{(9)}$	1	/D	-/B	B	E	-A	C	/E	/B	-/D	/A	-E	D	-C	A	-D	-/A	-/E
$\chi_{36}^{(10)}$	1	/C	-D	/D	A	-/B	E	/A	D	-/C	B	-A	C	-E	/B	-C	-B	-/A
$\chi_{36}^{(11)}$	1	/B	-/A	A	/C	-/E	/D	C	/A	-/B	E	-/C	B	-/D	/E	-B	-E	-C
$\chi_{36}^{(12)}$	1	/A	-E	/E	D	-C	/B	/D	E	-/A	/C	-D	A	-/B	C	-A	-/C	-/D
$\chi_{36}^{(13)}$	1	-/A	-E	-/E	-D	-C	-/B	-/D	-E	-/A	-/C	-D	-A	-/B	-C	-A	-/C	-/D
$\chi_{36}^{(14)}$	1	-/B	-/A	-A	-/C	-/E	-/D	-C	-/A	-/B	-E	-/C	-B	-/D	-/E	-B	-E	-C
$\chi_{36}^{(15)}$	1	-/C	-D	-/D	-A	-/B	-E	-/A	-D	-/C	-B	-A	-C	-E	-/B	-C	-B	-/A
$\chi_{36}^{(16)}$	1	-/D	-/B	-B	-E	-A	-C	-/E	-/B	-/D	-/A	-E	-D	-C	-A	-D	-/A	-/E
$\chi_{36}^{(17)}$	1	-/E	-C	-/C	-/B	-D	-A	-B	-C	-/E	-/D	-/B	-E	-A	-D	-E	-/D	-B
$\chi_{36}^{(18)}$	1	-E	-/C	-C	-B	-/D	-/A	-/B	-/C	-E	-D	-B	-/E	-/A	-/D	-/E	-D	-/B
$\chi_{36}^{(19)}$	1	-D	-B	-/B	-/E	-/A	-/C	-E	-B	-D	-A	-/E	-/D	-/C	-/A	-/D	-A	-E
$\chi_{36}^{(20)}$	1	-C	-/D	-D	-/A	-B	-/E	-A	-/D	-C	-/B	-/A	-/C	-/E	-B	-/C	-/B	-A
$\chi_{36}^{(21)}$	1	-B	-A	-/A	-C	-E	-D	-/C	-A	-B	-/E	-C	-/B	-D	-E	-/B	-/E	-/C
$\chi_{36}^{(22)}$	1	-A	-/E	-E	-/D	-/C	-B	-D	-/E	-A	-C	-/D	-/A	-B	-/C	-/A	-C	-D

$\chi_{36}^{(1)}$	1	1	1
$\chi_{36}^{(2)}$	1	1	-1
$\chi_{36}^{(3)}$	-E	-/B	-1
$\chi_{36}^{(4)}$	-/A	-/D	-1
$\chi_{36}^{(5)}$	-D	-E	-1
$\chi_{36}^{(6)}$	-/B	-C	-1
$\chi_{36}^{(7)}$	-C	-A	-1
$\chi_{36}^{(8)}$	-/C	-/A	-1
$\chi_{36}^{(9)}$	-B	-/C	-1
$\chi_{36}^{(10)}$	-/D	-/E	-1
$\chi_{36}^{(11)}$	-A	-D	-1
$\chi_{36}^{(12)}$	-/E	-B	-1
$\chi_{36}^{(13)}$	-/E	-B	1
$\chi_{36}^{(14)}$	-A	-D	1
$\chi_{36}^{(15)}$	-/D	-/E	1
$\chi_{36}^{(16)}$	-B	-/C	1
$\chi_{36}^{(17)}$	-/C	-/A	1
$\chi_{36}^{(18)}$	-C	-A	1
$\chi_{36}^{(19)}$	-/B	-C	1
$\chi_{36}^{(20)}$	-D	-E	1
$\chi_{36}^{(21)}$	-/A	-/D	1
$\chi_{36}^{(22)}$	-E	-/B	1

where $A=-E(11)$; $B=-E(11)^2$; $C=-E(11)^3$; $D=-E(11)^4$; $E=-E(11)^5$.

The generators of G^{s37} are:

(1, 44, 22, 34, 94, 205, 42, 198, 231, 30, 125, 48) (2, 213, 121, 116, 275, 227, 215, 76, 174, 89, 59, 210) (3, 271, 135, 254, 119, 36, 183, 167, 71, 257, 276, 74) (4, 235, 192, 53, 47, 219) (5, 90, 97, 159, 274, 52, 154, 156, 143, 244, 229, 123) (6, 118, 85, 261, 136, 188, 177, 260, 28, 32, 14, 43) (7, 113, 81, 164, 73, 201, 16, 75, 223, 83, 175, 161) (8, 268, 126, 103, 134, 23, 114, 55, 49, 203, 157, 222) (9, 250, 190, 233, 249, 84, 66, 108, 141, 67, 152, 224) (10, 186) (11, 197, 122, 172, 96, 266, 25, 39, 218, 65, 13, 168) (12, 45, 106) (17, 148, 117, 251, 146, 237, 69, 200, 248, 19, 228, 87) (18, 60, 99, 255, 92, 195, 246, 93, 155, 241, 21, 105) (20, 184, 130, 263, 236, 64, 150, 139, 147, 27, 29, 258) (24, 61, 112) (26, 238, 234, 132, 208, 191) (31, 131, 91, 107, 239, 178, 115, 181, 216, 101, 165, 273) (33, 202, 78, 166, 110, 267, 145, 171, 149, 137, 221, 127) (37, 180, 63, 38, 57, 50, 46, 209, 194, 54, 160, 68) (40, 80, 79, 128, 256, 193, 138, 252, 153, 100, 162, 187) (51, 109, 72, 204, 158, 225, 169, 170, 86, 163, 82, 140) (56, 206, 245, 88, 77, 176, 199, 95, 259, 142, 214, 151) (58, 226, 133, 265, 70, 102, 120, 253, 264, 111, 230, 240) (62, 129, 247) (98, 104, 207, 212, 179, 217) (144, 262, 173) (182, 196, 270, 242, 211, 269, 185, 189, 220, 243, 272, 232) , (2, 196, 206) (3, 171, 161) (4, 26, 179) (5, 18, 40) (6, 203, 9) (7, 271, 149) (8, 233, 261) (11, 31, 20) (12, 106, 45) (13, 165, 29) (14, 55, 152) (15, 41, 124) (16, 167, 78) (17, 225, 265) (19, 72, 58) (21, 162, 229) (23, 141, 28) (24, 173, 129) (25, 115, 150) (27, 65, 101) (32, 114, 67) (33, 73, 36) (37, 57, 194) (38, 209, 68) (39, 181, 139) (43, 49, 224) (46, 160, 63) (47, 208, 207) (50, 54, 180) (51, 230, 200) (52, 195, 193) (53, 132, 104) (56, 210, 182) (59, 232, 151) (60, 80, 90) (61, 144, 247) (62, 112, 262) (64, 266, 178) (66, 177, 103) (69, 140, 111) (70, 148, 169) (71, 166, 75) (74, 145, 175) (76, 220, 259) (77, 116, 211) (79, 97, 99) (81, 254, 221) (82, 264, 237) (83, 276, 267) (84, 188, 126) (85, 222, 190) (86, 120, 251) (87, 158, 133) (88, 121, 242) (89, 272, 214) (91, 130, 122) (92, 256, 274) (93, 252, 156) (95, 215, 189) (96, 239, 236) (98, 192, 234) (100, 244, 241) (102, 117, 170) (105, 187, 123) (107, 263, 172) (108, 260, 134) (109, 240, 248) (110, 223, 257) (113, 135, 137) (118, 157, 250) (119, 127, 164) (128, 159, 255) (131, 184, 197) (136, 268, 249) (138, 154, 246) (142, 174,

243) (143, 155, 153) (146, 163, 253) (147, 218, 216) (168, 273, 258) (176, 275, 269) (183, 202, 201) (185, 199, 227) (191, 212, 219) (204, 226, 228) (213, 270, 245) (217, 235, 238) , (1, 2, 42, 215) (3, 79, 183, 153) (5, 159, 154, 244) (6, 122, 177, 218) (7, 18, 16, 246) (8, 203, 114, 103) (9, 258, 66, 64) (11, 136, 25, 14) (12, 247) (13, 85, 96, 28) (15, 41) (17, 68, 69, 50) (19, 194, 251, 63) (20, 108, 150, 250) (21, 73, 92, 175) (22, 121, 231, 174) (23, 126, 222, 49) (24, 144) (26, 132) (27, 249, 263, 152) (29, 84, 236, 224) (30, 89, 34, 116) (31, 107, 115, 101) (32, 168, 261, 266) (33, 137, 145, 166) (35, 124) (36, 252, 74, 80) (37, 200, 46, 148) (38, 228, 54, 146) (39, 43, 197, 188) (40, 119, 138, 276) (44, 213, 198, 76) (45, 62) (48, 210, 205, 227) (51, 58, 169, 120) (52, 143, 123, 97) (55, 134, 268, 157) (56, 182, 199, 185) (57, 87, 160, 237) (59, 94, 275, 125) (60, 75, 93, 113) (61, 262) (65, 118, 172, 260) (67, 147, 233, 130) (70, 82, 230, 158) (71, 162, 135, 256) (72, 133, 86, 264) (77, 211, 214, 272) (78, 127, 149, 267) (81, 99, 223, 155) (83, 241, 164, 255) (88, 242, 142, 243) (90, 274, 156, 229) (91, 178, 216, 273) (95, 189, 206, 196) (98, 212) (100, 271, 128, 167) (102, 140, 240, 225) (104, 179) (105, 201, 195, 161) (106, 129) (109, 226, 170, 253) (110, 202, 221, 171) (111, 204, 265, 163) (112, 173) (117, 180, 248, 209) (131, 239, 181, 165) (139, 190, 184, 141) (151, 232, 176, 269) (187, 254, 193, 257) (191, 234) (207, 217) (208, 238) (220, 245, 270, 259).

The representatives of conjugacy classes of $G^{s_{37}}$ are:

() , (2, 196, 206) (3, 171, 161) (4, 26, 179) (5, 18, 40) (6, 203, 9) (7, 271, 149) (8, 233, 261) (11, 31, 20) (12, 106, 45) (13, 165, 29) (14, 55, 152) (15, 41, 124) (16, 167, 78) (17, 225, 265) (19, 72, 58) (21, 162, 229) (23, 141, 28) (24, 173, 129) (25, 115, 150) (27, 65, 101) (32, 114, 67) (33, 73, 36) (37, 57, 194) (38, 209, 68) (39, 181, 139) (43, 49, 224) (46, 160, 63) (47, 208, 207) (50, 54, 180) (51, 230, 200) (52, 195, 193) (53, 132, 104) (56, 210, 182) (59, 232, 151) (60, 80, 90) (61, 144, 247) (62, 112, 262) (64, 266, 178) (66, 177, 103) (69, 140, 111) (70, 148, 169) (71, 166, 75) (74, 145, 175) (76, 220, 259) (77, 116, 211) (79, 97, 99) (81, 254, 221) (82, 264, 237) (83, 276, 267) (84, 188, 126) (85, 222, 190) (86, 120, 251) (87, 158, 133) (88, 121, 242) (89, 272, 214) (91, 130, 122) (92, 256, 274) (93, 252, 156) (95, 215, 189) (96, 239, 236) (98, 192, 234) (100, 244, 241) (102, 117, 170) (105, 187, 123) (107, 263, 172) (108, 260, 134) (109, 240, 248) ([...]) , (2, 206, 196) (3, 161, 171) (4, 179, 26) (5, 40, 18) (6, 9, 203) (7, 149, 271) (8, 261, 233) (11, 20, 31) (12, 45, 106) (13, 29, 165) (14, 152, 55) (15, 124, 41) (16, 78, 167) (17, 265, 225) (19, 58, 72) (21, 229, 162) (23, 28, 141) (24, 129, 173) (25, 150, 115) (27, 101, 65) (32, 67, 114) (33, 36, 73) (37, 194, 57) (38, 68, 209) (39, 139, 181) (43, 224, 49) (46, 63, 160) (47, 207, 208) (50, 180, 54) (51, 200, 230) (52, 193, 195) (53, 104, 132) (56, 182, 210) (59, 151, 232) (60, 90, 80) (61, 247, 144) (62, 262, 112) (64, 178, 266) (66, 103, 177) (69, 111, 140) (70, 169, 148) (71, 75, 166) (74, 175, 145) (76, 259, 220) (77, 211, 116) (79, 99, 97) (81, 221, 254) (82, 237, 264) (83, 267, 276) (84, 126, 188) (85, 190, 222) (86, 251, 120) (87, 133, 158) (88, 242, 121) (89, 214, 272) (91, 122, 130) (92, 274, 256) (93, 156, 252) (95, 189, 215) (96, 236, 239) (98, 234, 192) (100, 241, 244) (102, 170, 117) (105, 123, 187) (107, 172, 263) (108, 134, 260) (109, 248, 240) ([...]) , (1, 2, 42, 215) (3, 79, 183, 153) (5, 159, 154, 244) (6, 122, 177, 218) (7, 18, 16, 246) (8, 203, 114, 103) (9, 258, 66, 64) (11, 136, 25, 14) (12, 247) (13, 85, 96, 28) (15, 41) (17, 68, 69, 50) (19, 194, 251, 63) (20, 108, 150, 250) (21, 73, 92, 175) (22, 121, 231, 174) (23, 126, 222, 49) (24, 144) (26, 132) (27, 249, 263, 152) (29, 84, 236, 224) (30, 89, 34, 116) (31, 107, 115, 101) (32, 168, 261, 266) (33, 137, 145, 166) (35, 124) (36, 252, 74, 80) (37, 200, 46, 148) (38, 228, 54, 146) (39, 43, 197, 188) (40, 119, 138, 276) (44, 213, 198, 76) (45, 62) (48, 210, 205, 227) (51, 58, 169, 120) (52, 143, 123, 97) (55, 134, 268, 157) (56, 182, 199, 185) (57, 87, 160, 237) (59, 94, 275, 125) (60, 75, 93, 113) (61, 262) (65, 118, 172, 260) (67, 147, 233, 130) (70, 82, 230, 158) (71, 162, 135, 256) (72, 133, 86, 264) (77, 211, 214, 272) (78, 127, 149, 267) (81, 99, 223, 155) (83, 241, 164, 255) (88, 242, 142, 243) (90, 274, 156, 229) (91, 178, 216, 273) ([...]) , (1, 2, 196, 42, 215, 189) (3, 105, 97, 183, 195, 143) (4, 104, 26) (5, 119, 255, 154, 276, 241) (6, 258, 91, 177, 64, 216) (7, 267, 40, 16, 127, 138) (8, 266, 9, 114, 168, 66) (11, 108, 268, 25, 250, 55) (12, 62, 61) (13, 84, 222, 96, 224, 23) (14, 27, 31, 136, 263, 115) (15, 35, 124) (17, 163, 38, 69, 204, 54) (18, 159, 167, 246, 244, 271) (19, 169, 37, 251, 51, 46) (20, 107, 260, 150, 101, 118) (21, 90, 36, 92, 156, 74) (22, 121, 242, 231, 174, 243) (24, 106, 247) (28, 139, 165, 85, 184, 239) (29, 131, 188, 236, 181, 43) (30, 89, 272, 34, 116, 211) (32, 147, 273, 261, 130, 178) (33, 252, 113, 145, 80, 75) (39, 190, 49, 197, 141,

126) (44, 213, 270, 198, 76, 220) (45, 129, 112) (47, 217, 208) (48, 210, 182, 205, 227, 185) (50, 248, 225, 68, 117, 140) (52, 257, 155, 123, 254, 99) (53, 179, 132) (56, 199) (57, 200, 158, 160, 148, 82) (58, 133, 70, 120, 264, 230) (59, 232, 94, 275, 269, 125) (60, 274, 71, 93, 229, 135) (63, 237, 72, 194, 87, 86) ([...]) , (1, 22, 94, 42, 231, 125) (2, 88, 269, 215, 142, 232) (3, 113, 127, 183, 75, 267) (4, 98, 208) (5, 79, 92, 154, 153, 21) (6, 190, 268, 177, 141, 55) (7, 221, 36, 16, 110, 74) (8, 188, 108, 114, 43, 250) (9, 222, 136, 66, 23, 14) (11, 130, 239, 25, 147, 165) (13, 20, 91, 96, 150, 216) (15, 124, 41) (17, 102, 163, 69, 240, 204) (18, 97, 256, 246, 143, 162) (19, 133, 169, 251, 264, 51) (24, 62, 144) (26, 192, 207) (27, 273, 197, 263, 178, 39) (28, 152, 203, 85, 249, 103) (29, 31, 122, 236, 115, 218) (30, 48, 44, 34, 205, 198) (32, 224, 157, 261, 84, 134) (33, 167, 223, 145, 271, 81) (37, 160, 194, 46, 57, 63) (38, 180, 68, 54, 209, 50) (40, 99, 274, 138, 155, 229) 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138, 153, 162) (51, 72, 158, 169, 86, 82) (52, 156, 244, 123, 90, 159) (53, 219, 235) (56, 245, 77, 199, 259, 214) (58, 133, 70, 120, 264, 230) (60, 255, 195, 93, 241, 105) (62, 247, 129) (67, 224, 250, 233, 84, 108) (75, 83, 161, 113, 164, 201) ([...]) , (1, 22, 94, 42, 231, 125) (2, 242, 176, 215, 243, 151) (3, 137, 164, 183, 166, 83) (4, 234, 207) (5, 99, 256, 154, 155, 162) (6, 222, 249, 177, 23, 152) (7, 254, 33, 16, 257, 145) (8, 84, 260, 114, 224, 118) (9, 85, 268, 66, 28, 55) (11, 91, 236, 25, 216, 29) (12, 45, 106) (13, 31, 130, 96, 115, 147) (14, 203, 190, 136, 103, 141) (15, 41, 124) (17, 170, 253, 69, 109, 226) (18, 79, 274, 246, 153, 229) (19, 158, 70, 251, 82, 230) (20, 122, 239, 150, 218, 165) (21, 40, 97, 92, 138, 143) (24, 262, 247) (26, 98, 47) (27, 168, 131, 263, 266, 181) (30, 48, 44, 34, 205, 198) (32, 49, 250, 261, 126, 108) (36, 78, 223, 74, 149, 81) (37, 46) (38, 54) (39, 101, 258, 197, 107, 64) (43, 157, 233, 188, 134, 67) (50, 68) (51, 58, 87, 169, 120, 237) (52, 93, 100, 123, 60, 128) (53, 191, 217) (56, 213, 211, 199, 76, 272) (57, 160) (59, 196, 88, 275, 189, 142) (61, 173, 62) (63, 194) (65, 273, 184, 172, 178, 139) (71, 267, 161, 135, 127, 201) (72, 133, 148, 86, 264, 200) ([...]) , (1, 30, 42, 34) (2, 89, 215, 116) (3, 257, 183, 254) (4, 53) (5, 244, 154, 159) (6, 32, 177, 261) (7, 83, 16, 164) (8, 203, 114, 103) (9, 67, 66, 233) (10, 186) (11, 65, 25, 172) (13, 39, 96, 197) (14, 260, 136, 118) (17, 19, 69, 251) (18, 241, 246, 255) (20, 27, 150, 263) (21, 93, 92, 60) (22, 48, 231, 205) (23, 126, 222, 49) (26, 132) (28, 188, 85, 43) (29, 139, 236, 184) (31, 101, 115, 107) (33, 137, 145, 166) (36, 135, 74, 71) (37, 54, 46, 38) (40, 100, 138, 128) (44, 125, 198, 94) (47, 235) (50, 63, 68, 194) (51, 163, 169, 204) (52, 97, 123, 143) (55, 134, 268, 157) (56, 142, 199, 88) (57, 180, 160, 209) (58, 111, 120, 265) (59, 76, 275, 213) (64, 130, 258, 147) (70, 226, 230, 253) (72, 140, 86, 225) (73, 113, 175, 75) (77, 206, 214, 95) (78, 127, 149, 267) (79, 187, 153, 193) (80, 162, 252, 256) (81, 161, 223, 201) (82, 170, 158, 109) (84, 190, 224, 141) (87, 248, 237, 117) (90, 229, 156, 274) (91, 273, 216, 178) (98, 212) (99, 105, 155, 195) ([...]) , (1, 30, 42, 34) (2, 214, 189, 116, 206, 272, 215, 77, 196, 89, 95, 211) (3, 223, 202, 254, 161, 110, 183, 81, 171, 257, 201, 221) (4, 104, 26, 53, 179, 132) (5, 100, 246, 159, 40, 241, 154, 128, 18, 244, 138, 255) (6, 67, 103, 261, 9, 114, 177, 233, 203, 32, 66, 8) (7, 267, 167, 164, 149, 276, 16, 127, 271, 83, 78, 119) (10, 186) (11, 27, 115, 172, 20, 101, 25, 263, 31, 65, 150, 107) (12, 45, 106) (13, 139, 239, 197, 29, 181, 96, 184, 165, 39, 236, 131) (14, 108, 268, 118, 152, 134, 136, 250, 55, 260, 249, 157) (15, 124, 41) (17, 58, 140, 251, 265, 72, 69, 120, 225, 19, 111, 86) (21, 156, 256, 60, 229, 252, 92, 90, 162, 93, 274, 80) (22, 48, 231, 205) (23, 188, 190, 49, 28, 84, 222, 43, 141, 126, 85, 224) (24, 129, 173) (33, 135, 175, 166, 36, 113, 145, 71, 73, 137, 74, 75) (37, 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(50, 68) (51, 169) (52, 123) (55, 268) (56, 199) (57, 160) (58, 120) (59, 275) (60, 93) (63, 194) (64, 258) (65, 172) (67, 233) (70, 230) (71, 135) (72, 86) (73, 175) (75, 113) (76, 213) (77, 214) (78, 149) (79, 153) (80, 252) (81, 223) (82, 158) (83, 164) (84, 224) (87, 237) (88,

142) (89, 116) (90, 156) (91, 216) (94, 125) (95, 206) (97, 143) (99, 155) (100, 128) (101, 107) (102, 240)
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 260, 141, 114, 14, 224, 203, 118, 190) (9, 157, 85, 233, 268, 188, 66, 134, 28, 67, 55, 43) (10, 186) (11, 184,
 91, 172, 236, 178, 25, 139, 216, 65, 29, 273) (12, 106, 45) (13, 258, 31, 197, 130, 107, 96, 64, 115, 39, 147,
 101) (15, 124, 41) (17, 70, 170, 251, 253, 82, 69, 230, 109, 19, 226, 158) (18, 90, 79, 255, 274, 193, 246, 156,
 153, 241, 229, 187) (20, 131, 122, 263, 239, 266, 150, 181, 218, 27, 165, 168) (21, 123, 40, 60, 97, 128, 92, 52,
 138, 93, 143, 100) (24, 247, 262) (26, 235, 98, 132, 47, 212) (36, 201, 78, 71, 223, 267, 74, 161, 149, 135, 81,
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 74, 171) (8, 249, 188, 103, 108, 28, 114, 152, 43, 203, 250, 85) (9, 118, 222, 233, 136, 126, 66, 260, 23, 67,
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(9, 188, 31) (12, 144, 61) (13, 157, 258) (14, 178, 84) (15, 35, 41) (18, 187, 137) (20, 168, 222) (21, 100, 171) (22, 151, 196) (23, 150, 266) (24, 106, 173) (25, 114, 139) (26, 98, 235) (27, 218, 49) (28, 107, 233) (29, 65, 203) (30, 199, 220) (32, 239, 249) (33, 255, 79) (34, 56, 270) (37, 133, 72) (38, 102, 225) (39, 55, 147) (40, 221, 60) (42, 88, 269) (43, 115, 66) (44, 214, 182) (45, 262, 112) (46, 264, 86) (47, 132, 212) (48, 259, 272) (50, 253, 170) (51, 160, 58) (52, 73, 276) (53, 234, 207) (54, 240, 140) (57, 120, 169) (59, 215, 121) (62, 129, 247) (63, 70, 158) (64, 96, 134) (67, 85, 101) (68, 226, 109) (71, 159, 81) (74, 154, 201) (75, 271, 143) (76, 116, 210) (77, 185, 198) (78, 195, 256) (80, 127, 99) (82, 194, 230) (83, 254, 229) (89, 227, 213) (91, 190, 260) (92, 128, 202) (93, 138, 110) (94, 206, 242) (95, 243, 125) (97, 113, 167) ([...]) , (1, 185, 275, 34, 243, 76, 42, 182, 59, 30, 242, 213) (2, 48, 269, 116, 22, 220, 215, 205, 232, 89, 231, 270) (3, 156, 255, 254, 229, 246, 183, 90, 241, 257, 274, 18) (4, 191, 217, 53, 234, 207) (5, 155, 71, 159, 105, 74, 154, 99, 135, 244, 195, 36) (6, 181, 263, 261, 165, 150, 177, 131, 27, 32, 239, 20) (7, 193, 137, 164, 153, 33, 16, 187, 166, 83, 79, 145) (8, 84, 65, 103, 141, 11, 114, 224, 172, 203,

190, 25) (9, 96, 157, 233, 39, 268, 66, 13, 134, 67, 197, 55) (10, 186) (12, 24, 129) (14, 178, 184, 118, 216, 236, 136, 273, 139, 260, 91, 29) (15, 124, 35) (17, 194, 109, 251, 68, 158, 69, 63, 170, 19, 50, 82) (21, 276, 52, 60, 271, 143, 92, 119, 123, 93, 167, 97) (23, 152, 122, 49, 250, 266, 222, 249, 218, 126, 108, 168) (26, 98, 47, 132, 212, 235) (28, 107, 258, 43, 115, 130, 85, 101, 64, 188, 31, 147) (37, 225, 200, 38, 86, 228, 46, 140, 148, 54, 72, 146) (40, 110, 175, 128, 171, 113, 138, 221, 73, 100, 202, 75) ([...]) , (1, 198, 22, 30, 94, 48, 42, 44, 231, 34, 125, 205) (2, 76, 121, 89, 275, 210, 215, 213, 174, 116, 59, 227) (3, 167, 135, 257, 119, 74, 183, 271, 71, 254, 276, 36) (4, 235, 192, 53, 47, 219) (5, 156, 97, 244, 274, 123, 154, 90, 143, 159, 229, 52) (6, 260, 85, 32, 136, 43, 177, 118, 28, 261, 14, 188) (7, 75, 81, 83, 73, 161, 16, 113, 223, 164, 175, 201) (8, 55, 126, 203, 134, 222, 114, 268, 49, 103, 157, 23) (9, 108, 190, 67, 249, 224, 66, 250, 141, 233, 152, 84) (10, 186) (11, 39, 122, 65, 96, 168, 25, 197, 218, 172, 13, 266) (12, 45, 106) (17, 200, 117, 19, 146, 87, 69, 148, 248, 251, 228, 237) (18, 93, 99, 241, 92, 105, 246, 60, 155, 255, 21, 195) (20, 139, 130, 27, 236, 258, 150, 184, 147, 263, 29, 64) (24, 61, 112) (26, 238, 234, 132, 208, 191) (31, 181, 91, 101, 239, 273, 115, 131, 216, 107, 165, 178) (33, 171, 78, 137, 110, 127, 145, 202, 149, 166, 221, 267) (37, 209, 63, 54, 57, 68, 46, 180, 194, 38, 160, 50) ([...]) , (1, 198, 22, 30, 94, 48, 42, 44, 231, 34, 125, 205) (2, 259, 242, 89, 176, 182, 215, 245, 243, 116, 151, 185) (3, 16, 137, 257, 164, 145, 183, 7, 166, 254, 83, 33) (4, 217, 234, 53, 207, 191) (5, 252, 99, 244, 256, 105, 154, 80, 155, 159, 162, 195) (6, 108, 222, 32, 249, 49, 177, 250, 23, 261, 152, 126) (8, 14, 84, 203, 260, 190, 114, 136, 224, 103, 118, 141) (9, 134, 85, 67, 268, 43, 66, 157, 28, 233, 55, 188) (10, 186) (11, 139, 91, 65, 236, 273, 25, 184, 216, 172, 29, 178) (12, 106, 45) (13, 64, 31, 39, 130, 101, 96, 258, 115, 197, 147, 107) (15, 124, 41) (17, 230, 170, 19, 253, 158, 69, 70, 109, 251, 226, 82) (18, 156, 79, 241, 274, 187, 246, 90, 153, 255, 229, 193) (20, 181, 122, 27, 239, 168, 150, 131, 218, 263, 165, 266) (21, 52, 40, 93, 97, 100, 92, 123, 138, 60, 143, 128) (24, 247, 262) (26, 235, 98, 132, 47, 212) (36, 161, 78, 135, 223, 127, 74, 201, 149, 71, 81, 267) (37, 38, 46, 54) (50, 194, 68, 63) (51, 117, 58, 163, 87, 111, 169, 248, 120, 204, 237, 265) ([...]) , (1, 205, 125, 34, 231, 44, 42, 48, 94, 30, 22, 198) (2, 227, 59, 116, 174, 213, 215, 210, 275, 89, 121, 76) (3, 36, 276, 254, 71, 271, 183, 74, 119, 257, 135, 167) (4, 219, 47, 53, 192, 235) (5, 52, 229, 159, 143, 90, 154, 123, 274, 244, 97, 156) (6, 188, 14, 261, 28, 118, 177, 43, 136, 32, 85, 260) (7, 201, 175, 164, 223, 113, 16, 161, 73, 83, 81, 75) (8, 23, 157, 103, 49, 268, 114, 222, 134, 203, 126, 55) (9, 84, 152, 233, 141, 250, 66, 224, 249, 67, 190, 108) (10, 186) (11, 266, 13, 172, 218, 197, 25, 168, 96, 65, 122, 39) (12, 106, 45) (17, 237, 228, 251, 248, 148, 69, 87, 146, 19, 117, 200) (18, 195, 21, 255, 155, 60, 246, 105, 92, 241, 99, 93) (20, 64, 29, 263, 147, 184, 150, 258, 236, 27, 130, 139) (24, 112, 61) (26, 191, 208, 132, 234, 238) (31, 178, 165, 107, 216, 131, 115, 273, 239, 101, 91, 181) (33, 267, 221, 166, 149, 202, 145, 127, 110, 137, 78, 171) (37, 50, 160, 38, 194, 180, 46, 68, 57, 54, 63, 209) ([...]) , (1, 231, 94) (2, 174, 275) (3, 71, 119) (4, 192, 47) (5, 143, 274) (6, 28, 136) (7, 223, 73) (8, 49, 134) (9, 141, 249) (11, 218, 96) (12, 106, 45) (13, 25, 122) (14, 177, 85) (16, 81, 175) (17, 248, 146) (18, 155, 92) (19, 237, 148) (20, 147, 236) (21, 246, 99) (22, 125, 42) (23, 268, 203) (24, 112, 61) (26, 234, 208) (27, 64, 184) (29, 150, 130) (30, 205, 44) (31, 216, 239) (32, 188, 118) (33, 149, 110) (34, 48, 198) (36, 271, 257) (37, 194, 57) (38, 68, 209) (39, 172, 168) (40, 153, 256) (43, 260, 261) (46, 63, 160) (50, 180, 54) (51, 86, 158) (52, 90, 244) (53, 219, 235) (55, 103, 222) (56, 259, 77) (58, 264, 70) (59, 215, 121) (60, 241, 195) (62, 247, 129) (65, 266, 197) (66, 190, 152) (67, 84, 250) (69, 117, 228) (72, 82, 169) (74, 167, 254) (75, 164, 161) (76, 116, 210) (78, 221, 145) (79, 162, 138) (80, 100, 193) (83, 201, 113) (87, 200, 251) (88, 151, 95) (89, 227, 213) (91, 165, 115) (93, 255, 105) (97, 229, 154) (98, 207, 179) (101, 178, 131) ([...]) .

The character table of $G^{s_{37}}$:

	10										20									
$\chi_{37}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{37}^{(2)}$	1	1	1	1	1	1	1	-1	-1	-1	-1	-1	-1	1	1	-1	-1	-1	-1	-1
$\chi_{37}^{(3)}$	1	1	1	1	1	A	A	A	-1	-1	-1	-1	-1	1	1	-/A	-/A	-/A	-A	-A
$\chi_{37}^{(4)}$	1	1	1	1	1	/A	/A	/A	-1	-1	-1	-1	-1	1	1	-A	-A	-A	-/A	-/A
$\chi_{37}^{(5)}$	1	1	1	1	1	A	A	A	1	1	1	1	1	1	1	/A	/A	/A	A	A
$\chi_{37}^{(6)}$	1	1	1	1	1	/A	/A	/A	1	1	1	1	1	1	1	A	A	A	/A	/A
$\chi_{37}^{(7)}$	1	A	/A	1	/A	1	A	/A	-1	-/A	-A	-/A	-1	-A	A	1	-/A	-A	-1	-1
$\chi_{37}^{(8)}$	1	/A	A	1	A	1	/A	A	-1	-A	-/A	-A	-1	-/A	/A	1	-A	-/A	-1	-1
$\chi_{37}^{(9)}$	1	A	/A	1	/A	1	A	/A	1	/A	A	/A	1	A	A	1	/A	A	1	1
$\chi_{37}^{(10)}$	1	/A	A	1	A	1	/A	A	1	A	/A	A	1	/A	/A	1	A	/A	1	1
$\chi_{37}^{(11)}$	1	A	/A	1	/A	A	/A	1	-1	-/A	-A	-/A	-1	-A	A	1	-A	-1	-/A	-A
$\chi_{37}^{(12)}$	1	/A	A	1	A	/A	A	1	-1	-A	-/A	-A	-1	-/A	/A	1	-/A	-1	-A	-1
$\chi_{37}^{(13)}$	1	A	/A	1	/A	A	/A	1	1	/A	A	/A	1	A	A	1	A	1	/A	A
$\chi_{37}^{(14)}$	1	/A	A	1	A	/A	A	1	1	A	/A	A	1	/A	/A	1	/A	1	A	/A
$\chi_{37}^{(15)}$	1	A	/A	1	/A	/A	1	A	-1	-/A	-A	-/A	-1	-A	A	1	-1	-/A	-A	-A
$\chi_{37}^{(16)}$	1	/A	A	1	A	A	1	/A	-1	-A	-/A	-A	-1	-/A	/A	1	-1	-A	-/A	-A
$\chi_{37}^{(17)}$	1	A	/A	1	/A	/A	1	A	1	/A	A	/A	1	A	A	1	1	/A	A	/A
$\chi_{37}^{(18)}$	1	/A	A	1	A	A	1	/A	1	A	/A	A	1	/A	/A	1	1	A	/A	/A
$\chi_{37}^{(19)}$	2	-A	-/A	.	/A	/A	-2	A	D	E	-/E	-E	-D	/E	A	-2	D	E	-/E	-E
$\chi_{37}^{(20)}$	2	-/A	-A	.	A	A	-2	/A	D	-/E	E	/E	-D	-E	/A	-2	D	-/E	E	/E
$\chi_{37}^{(21)}$	2	-A	-/A	.	/A	/A	-2	A	-D	-E	/E	E	D	-/E	A	-2	-D	-E	/E	-E
$\chi_{37}^{(22)}$	2	-/A	-A	.	A	A	-2	/A	-D	/E	-E	-/E	D	E	/A	-2	-D	/E	-E	-E
$\chi_{37}^{(23)}$	2	-1	-1	.	1	1	-2	1	D	F	F	-F	-D	-F	1	-2	D	F	F	-F
$\chi_{37}^{(24)}$	2	-1	-1	.	1	1	-2	1	-D	-F	-F	F	D	F	1	-2	-D	-F	-F	F
$\chi_{37}^{(25)}$	2	-1	-1	.	1	/A	B	/A	D	F	F	-F	-D	-F	1	-2	G	-/E	-/E	-E
$\chi_{37}^{(26)}$	2	-1	-1	.	1	/A	B	/A	-D	-F	-F	F	D	F	1	-2	-G	/E	/E	E
$\chi_{37}^{(27)}$	2	-1	-1	.	1	A	/B	A	D	F	F	-F	-D	-F	1	-2	-/G	E	E	/E
$\chi_{37}^{(28)}$	2	-1	-1	.	1	A	/B	A	-D	-F	-F	F	D	F	1	-2	/G	-E	-E	-/E
$\chi_{37}^{(29)}$	2	-/A	-A	.	A	1	B	A	D	-/E	E	/E	-D	-E	/A	-2	G	E	F	-F
$\chi_{37}^{(30)}$	2	-/A	-A	.	A	1	B	A	-D	/E	-E	-/E	D	E	/A	-2	-G	-E	-F	-/E
$\chi_{37}^{(31)}$	2	-A	-/A	.	/A	1	/B	/A	D	E	-/E	-E	-D	/E	A	-2	-/G	-/E	F	-F
$\chi_{37}^{(32)}$	2	-A	-/A	.	/A	1	/B	/A	-D	-E	/E	E	D	-/E	A	-2	/G	/E	-F	F
$\chi_{37}^{(33)}$	2	-A	-/A	.	/A	A	B	1	D	E	-/E	-E	-D	/E	A	-2	G	F	E	/E
$\chi_{37}^{(34)}$	2	-A	-/A	.	/A	A	B	1	-D	-E	/E	E	D	-/E	A	-2	-G	-F	-E	-/E
$\chi_{37}^{(35)}$	2	-/A	-A	.	A	/A	/B	1	D	-/E	E	/E	-D	-E	/A	-2	-/G	F	-/E	-E
$\chi_{37}^{(36)}$	2	-/A	-A	.	A	/A	/B	1	-D	/E	-E	-/E	D	E	/A	-2	/G	-F	/E	F
$\chi_{37}^{(37)}$	3	.	.	-1	.	.	3	.	-3	.	.	.	-3	.	.	3	-3	.	.	.
$\chi_{37}^{(38)}$	3	.	.	-1	.	.	3	.	3	.	.	.	3	.	.	3	3	.	.	.
$\chi_{37}^{(39)}$	3	.	.	-1	.	.	C	.	-3	.	.	.	-3	.	.	3	-/C	.	.	.
$\chi_{37}^{(40)}$	3	.	.	-1	.	.	/C	.	-3	.	.	.	-3	.	.	3	-C	.	.	.
$\chi_{37}^{(41)}$	3	.	.	-1	.	.	C	.	3	.	.	.	3	.	.	3	/C	.	.	.
$\chi_{37}^{(42)}$	3	.	.	-1	.	.	/C	.	3	.	.	.	3	.	.	3	C	.	.	.

	30										40									
$\chi_{37}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{37}^{(2)}$	-1	-1	-1	1	1	1	-1	-1	-1	1	1	1	1	1	1	-1	-1	-1	-1	-1
$\chi_{37}^{(3)}$	-A	-A	-A	/A	/A	/A	-/A	-/A	-1	A	A	/A	/A	/A	/A	A	-A	-/A	-/A	-A
$\chi_{37}^{(4)}$	-/A	-/A	-/A	A	A	A	-A	-A	-1	/A	/A	A	A	A	A	/A	-/A	-A	-A	-/A
$\chi_{37}^{(5)}$	A	A	A	/A	/A	/A	/A	/A	1	A	A	/A	/A	/A	/A	A	A	/A	/A	A
$\chi_{37}^{(6)}$	/A	/A	/A	A	A	A	A	A	1	/A	/A	A	A	A	A	/A	/A	A	A	/A
$\chi_{37}^{(7)}$	-A	-A	-1	/A	1	A	-/A	-1	-1	1	A	1	/A	/A	A	/A	-/A	-/A	-A	-A
$\chi_{37}^{(8)}$	-/A	-/A	-1	A	1	/A	-A	-1	-1	1	/A	1	A	A	/A	A	-A	-A	-/A	-/A
$\chi_{37}^{(9)}$	A	A	1	/A	1	A	/A	1	1	1	A	1	/A	/A	A	/A	/A	/A	A	A
$\chi_{37}^{(10)}$	/A	/A	1	A	1	/A	A	1	1	1	/A	1	A	A	/A	A	A	A	/A	/A
$\chi_{37}^{(11)}$	-/A	-/A	-A	A	/A	1	-A	-/A	-1	A	/A	/A	A	A	1	1	-1	-A	-1	-/A
$\chi_{37}^{(12)}$	-A	-A	-/A	/A	A	1	-/A	-A	-1	/A	A	A	/A	/A	1	1	-1	-/A	-1	-A
$\chi_{37}^{(13)}$	/A	/A	A	A	/A	1	A	/A	1	A	/A	/A	A	A	1	1	1	A	1	/A
$\chi_{37}^{(14)}$	A	A	/A	/A	A	1	/A	A	1	/A	A	A	/A	/A	1	1	1	/A	1	A
$\chi_{37}^{(15)}$	-1	-1	-/A	1	A	/A	-1	-A	-1	/A	1	A	1	1	/A	A	-A	-1	-/A	-1
$\chi_{37}^{(16)}$	-1	-1	-A	1	/A	A	-1	-/A	-1	A	1	/A	1	1	A	/A	-/A	-1	-A	-1
$\chi_{37}^{(17)}$	1	1	/A	1	A	/A	1	A	1	/A	1	A	1	1	/A	A	A	1	/A	1
$\chi_{37}^{(18)}$	1	1	A	1	/A	A	1	/A	1	A	1	/A	1	1	A	/A	/A	1	A	1
$\chi_{37}^{(19)}$	-D	.	E	.	A	-/A	.	/E	.	-/A	.	-A	2	-2	/A	-A	-/E	-D	-E	D
$\chi_{37}^{(20)}$	-D	.	-/E	.	/A	-A	.	-E	.	-A	.	-/A	2	-2	A	-/A	E	-D	/E	D
$\chi_{37}^{(21)}$	D	.	-E	.	A	-/A	.	-/E	.	-/A	.	-A	2	-2	/A	-A	/E	D	E	-D
$\chi_{37}^{(22)}$	D	.	/E	.	/A	-A	.	E	.	-A	.	-/A	2	-2	A	-/A	-E	D	-/E	-D
$\chi_{37}^{(23)}$	-D	.	F	.	1	-1	.	-F	.	-1	.	-1	2	-2	1	-1	F	-D	-F	D
$\chi_{37}^{(24)}$	D	.	-F	.	1	-1	.	F	.	-1	.	-1	2	-2	1	-1	-F	D	F	-D
$\chi_{37}^{(25)}$	/G	.	E	.	A	-A	.	/E	.	-/A	.	-A	-/B	/B	A	-/A	E	-G	/E	-/G
$\chi_{37}^{(26)}$	-/G	.	-E	.	A	-A	.	-/E	.	-/A	.	-A	-/B	/B	A	-/A	-E	G	-/E	/G
$\chi_{37}^{(27)}$	-G	.	-/E	.	/A	-/A	.	-E	.	-A	.	-/A	-B	B	/A	-A	-/E	/G	-E	G
$\chi_{37}^{(28)}$	G	.	/E	.	/A	-/A	.	E	.	-A	.	-/A	-B	B	/A	-A	/E	-/G	E	-G
$\chi_{37}^{(29)}$	/G	.	F	.	1	-/A	.	-F	.	-1	.	-1	-/B	/B	/A	-A	-/E	-G	-E	-/G
$\chi_{37}^{(30)}$	-/G	.	-F	.	1	-/A	.	F	.	-1	.	-1	-/B	/B	/A	-A	/E	G	E	/G
$\chi_{37}^{(31)}$	-G	.	F	.	1	-A	.	-F	.	-1	.	-1	-B	B	A	-/A	E	/G	/E	G
$\chi_{37}^{(32)}$	G	.	-F	.	1	-A	.	F	.	-1	.	-1	-B	B	A	-/A	-E	-/G	-/E	-G
$\chi_{37}^{(33)}$	/G	.	-/E	.	/A	-1	.	-E	.	-A	.	-/A	-/B	/B	1	-1	F	-G	-F	-/G
$\chi_{37}^{(34)}$	-/G	.	/E	.	/A	-1	.	E	.	-A	.	-/A	-/B	/B	1	-1	-F	G	F	/G
$\chi_{37}^{(35)}$	-G	.	E	.	A	-1	.	/E	.	-/A	.	-A	-B	B	1	-1	F	/G	-F	G
$\chi_{37}^{(36)}$	G	.	-E	.	A	-1	.	-/E	.	-/A	.	-A	-B	B	1	-1	-F	-/G	F	-G
$\chi_{37}^{(37)}$	-3	1	.	-1	.	.	1	.	1	.	-1	.	3	3	.	.	.	-3	.	-3
$\chi_{37}^{(38)}$	3	-1	.	-1	.	.	-1	.	-1	.	-1	.	3	3	.	.	.	3	.	3
$\chi_{37}^{(39)}$	-C	/A	.	-A	.	.	A	.	1	.	-/A	.	/C	/C	.	.	.	-/C	.	-C
$\chi_{37}^{(40)}$	-/C	A	.	-/A	.	.	/A	.	1	.	-A	.	C	C	.	.	.	-C	.	-/C
$\chi_{37}^{(41)}$	C	-/A	.	-A	.	.	-A	.	-1	.	-/A	.	/C	/C	.	.	.	/C	.	C
$\chi_{37}^{(42)}$	/C	-A	.	-/A	.	.	-/A	.	-1	.	-A	.	C	C	.	.	.	C	.	/C

$\chi_{37}^{(1)}$	1
$\chi_{37}^{(2)}$	1
$\chi_{37}^{(3)}$	A
$\chi_{37}^{(4)}$	/A
$\chi_{37}^{(5)}$	A
$\chi_{37}^{(6)}$	/A
$\chi_{37}^{(7)}$	A
$\chi_{37}^{(8)}$	/A
$\chi_{37}^{(9)}$	A
$\chi_{37}^{(10)}$	/A
$\chi_{37}^{(11)}$	/A
$\chi_{37}^{(12)}$	A
$\chi_{37}^{(13)}$	/A
$\chi_{37}^{(14)}$	A
$\chi_{37}^{(15)}$	1
$\chi_{37}^{(16)}$	1
$\chi_{37}^{(17)}$	1
$\chi_{37}^{(18)}$	1
$\chi_{37}^{(19)}$	2
$\chi_{37}^{(20)}$	2
$\chi_{37}^{(21)}$	2
$\chi_{37}^{(22)}$	2
$\chi_{37}^{(23)}$	2
$\chi_{37}^{(24)}$	2
$\chi_{37}^{(25)}$	-B
$\chi_{37}^{(26)}$	-B
$\chi_{37}^{(27)}$	-/B
$\chi_{37}^{(28)}$	-/B
$\chi_{37}^{(29)}$	-B
$\chi_{37}^{(30)}$	-B
$\chi_{37}^{(31)}$	-/B
$\chi_{37}^{(32)}$	-/B
$\chi_{37}^{(33)}$	-B
$\chi_{37}^{(34)}$	-B
$\chi_{37}^{(35)}$	-/B
$\chi_{37}^{(36)}$	-/B
$\chi_{37}^{(37)}$	3
$\chi_{37}^{(38)}$	3
$\chi_{37}^{(39)}$	C
$\chi_{37}^{(40)}$	/C
$\chi_{37}^{(41)}$	C
$\chi_{37}^{(42)}$	/C

where $A=E(3)^2=(-1-ER(-3))/2=-1-b3$; $B=-2^*E(3)=1-ER(-3)=1-i3$; $C=3^*E(3)=(-3+3^*ER(-3))/2=3b3$;
 $D=-2^*E(4)=-2^*ER(-1)=-2i$; $E=E(12)^7$; $F=E(4)=ER(-1)=i$; $G=-2^*E(12)^{11}$.

The generators of $G^{s_{38}}$ are:

(1, 140, 78, 116, 11, 123, 7, 238, 14, 48, 4, 77, 161, 167, 155) (2, 204, 79, 243, 173, 215, 154, 261, 252, 101, 131, 89, 245, 205, 58) (3, 177, 99, 121, 158, 248, 181, 40, 200, 119, 210, 6, 66, 50, 198) (5, 147, 230, 43, 100, 259, 45, 31, 38, 219, 222, 9, 97, 247, 110) (8, 17, 28, 132, 169, 189, 37, 55, 244, 65, 22, 33, 75, 25, 190) (10, 148, 70, 105, 185, 207, 175, 61, 264, 233, 84, 35, 56, 254, 159) (12, 107, 64, 226, 141, 85, 24, 138, 71, 96, 21, 54, 145, 142, 165) (13, 150, 196, 217, 191, 216, 224, 253, 42, 209, 235, 74, 16, 139, 211) (15, 118, 80, 262, 184, 201, 176, 63, 90, 72, 265, 26, 170, 163, 111) (18, 203, 27, 263, 178, 134, 149, 136, 239, 106, 122, 52, 193, 87, 270) (19, 268, 103, 236, 146, 44, 213, 129, 229, 144, 83, 47, 127, 112, 153) (20, 255, 69, 88, 186, 212, 164, 182, 276, 271, 234, 49, 274, 246, 257) (23, 208, 102, 187, 143, 266, 59, 115, 81, 242, 95, 92, 174, 250, 29) (30, 156, 194, 218, 223, 67, 256, 202, 214, 162, 240, 60, 73, 126, 228) (32, 125, 232, 160, 151, 272, 76, 133, 251, 258, 172, 62, 206, 197, 68) (34, 36, 273, 94, 98, 152, 124, 188, 221, 113, 130, 41, 53, 275, 128) (39, 166, 195, 120, 171, 135, 108, 93, 220, 46, 117, 180, 51, 192, 199) (57, 157, 82, 225, 183) (86, 249, 241, 179, 168, 104, 109, 114, 269, 137, 267, 260, 227, 237, 91) , (1, 23, 14, 81, 140, 208, 48, 242, 78, 102, 4, 95, 116, 187, 77, 92, 11, 143, 161, 174, 123, 266, 167, 250, 7, 59, 155, 29, 238, 115) (2, 262, 252, 26, 204, 184, 101, 170, 79, 201, 131, 163, 243, 176, 89, 111, 173, 63, 245, 15, 215, 90, 205, 118, 154, 72, 58, 80, 261, 265) (3, 257, 200, 182, 177, 20, 119, 276, 99, 255, 210, 271, 121, 69, 6, 234, 158, 88, 66, 49, 248, 186, 50, 274, 181, 212, 198, 246, 40, 164) (5, 258, 38, 232, 147, 172, 219, 160, 230, 62, 222, 151, 43, 206, 9, 272, 100, 197, 97, 76, 259, 68, 247, 133, 45, 32, 110, 251, 31, 125) (8, 139, 244, 224, 17, 211, 65, 253, 28, 13, 22, 42, 132, 150, 33, 209, 169, 196, 75, 235, 189, 217, 25, 74, 37, 191, 190, 16, 55, 216) (10, 162, 264, 194, 148, 240, 233, 218, 70, 60, 84, 223, 105, 73, 35, 67, 185, 126, 56, 256, 207, 228, 254, 202, 175, 30, 159, 214, 61, 156) (12, 113, 71, 273, 107, 130, 96, 94, 64, 41, 21, 98, 226, 53, 54, 152, 141, 275, 145, 124, 85, 128, 142, 188, 24, 34, 165, 221, 138, 36) (18, 178, 239, 193, 203, 134, 106, 87, 27, 149, 122, 270, 263, 136, 52) (19, 192, 229, 108, 268, 199, 144, 93, 103, 39, 83, 220, 236, 166, 47, 46, 146, 195, 127, 117, 44, 120, 112, 180, 213, 171, 153, 51, 129, 135) (57, 183, 225, 82, 157) (86, 168, 269, 227, 249, 104, 137, 237, 241, 109, 267, 91, 179, 114, 260).

The representatives of conjugacy classes of $G^{s_{38}}$ are:

() , (1, 4, 123) (2, 131, 215) (3, 210, 248) (5, 222, 259) (6, 181, 177) (7, 140, 77) (8, 22, 189) (9, 45, 147) (10, 84, 207) (11, 155, 48) (12, 21, 85) (13, 235, 216) (14, 116, 167) (15, 265, 201) (16, 253, 196) (17, 33, 37) (18, 122, 134) (19, 83, 44) (20, 234, 212) (23, 95, 266) (24, 107, 54) (25, 244, 132) (26, 176, 118) (27, 193, 136) (28, 75, 55) (29, 242, 143) (30, 240, 67) (31, 230, 97) (32, 172, 272) (34, 130, 152) (35, 175, 148) (36, 41, 124) (38, 43, 247) (39, 117, 135) (40, 99, 66) (42, 217, 139) (46, 171, 199) (47, 213, 268) (49, 164, 255) (50, 200, 121) (51, 93, 195) (52, 149, 203) (53, 188, 273) (56, 61, 70) (58, 101, 173) (59, 208, 92) (60, 256, 156) (62, 76, 125) (63, 80, 170) (64, 145, 138) (65, 169, 190) (68, 258, 151) (69, 274, 182) (71, 226, 142) (72, 184, 111) (73, 202, 194) (74, 224, 150) (78, 161, 238) (79, 245, 261) (81, 187, 250) (86, 267, 104) (87, 239, 263) (88, 246, 276) (89, 154, 204) (90, 262, 163) (91, 137, 168) (94, 275, 221) ([...]) , (1, 7, 161, 116, 48) (2, 154, 245, 243, 101) (3, 181, 66, 121, 119) (4, 140, 238, 167, 11) (5, 45, 97, 43, 219) (6, 99, 200, 198, 248) (8, 37, 75, 132, 65) (9, 230, 38, 110, 259) (10, 175, 56, 105, 233) (12, 24, 145, 226, 96) (13, 224, 16, 217, 209) (14, 155, 123, 77, 78) (15, 176, 170, 262, 72) (17, 55, 25, 169, 22) (18, 149, 193, 263, 106) (19, 213, 127, 236, 144) (20, 164, 274, 88, 271) (21, 107, 138, 142, 141) (23, 59, 174, 187, 242) (26, 80, 90, 111, 201) (27, 239, 270, 134, 52) (28, 244, 190, 189, 33) (29, 266, 92, 102, 81) (30, 256, 73, 218, 162) (31, 247, 100, 222, 147) (32, 76, 206, 160, 258) (34, 124, 53, 94, 113) (35, 70, 264, 159, 207) (36, 188, 275, 98, 130) (39, 108, 51, 120, 46) (40, 50, 158, 210, 177) (41, 273, 221, 128, 152) (42, 211, 216, 74, 196) (44, 47, 103, 229, 153) (49, 69, 276, 257, 212) (54, 64, 71, 165, 85) (57, 157, 82, 225, 183) (58, 215, 89, 79, 252) (60, 194, 214, 228, 67) (61, 254, 185, 84, 148) ([...]) , (1, 11, 14, 161, 140, 123, 48, 167, 78, 7, 4, 155, 116, 238, 77) (2, 173, 252, 245, 204, 215, 101, 205, 79, 154, 131, 58, 243, 261, 89) (3, 158, 200, 66, 177, 248, 119, 50, 99, 181, 210, 198, 121, 40, 6) (5, 100, 38, 97, 147, 259, 219, 247, 230, 45, 222, 110, 43, 31, 9) (8, 169, 244, 75, 17, 189, 65, 25, 28, 37, 22, 190, 132, 55, 33) (10, 185, 264, 56, 148, 207, 233, 254, 70, 175, 84, 159, 105, 61, 35) (12, 141, 71, 145, 107, 85, 96, 142, 64, 24, 21, 165, 226, 138, 54) (13, 191, 42, 16, 150, 216, 209, 139, 196, 224, 235, 211, 217, 253, 74) (15,

184, 90, 170, 118, 201, 72, 163, 80, 176, 265, 111, 262, 63, 26) (18, 178, 239, 193, 203, 134, 106, 87, 27, 149, 122, 270, 263, 136, 52) (19, 146, 229, 127, 268, 44, 144, 112, 103, 213, 83, 153, 236, 129, 47) (20, 186, 276, 274, 255, 212, 271, 246, 69, 164, 234, 257, 88, 182, 49) (23, 143, 81, 174, 208, 266, 242, 250, 102, 59, 95, 29, 187, 115, 92) (30, 223, 214, 73, 156, 67, 162, 126, 194, 256, 240, 228, 218, 202, 60) ([...]) , (1, 14, 140, 48, 78, 4, 116, 77, 11, 161, 123, 167, 7, 155, 238) (2, 252, 204, 101, 79, 131, 243, 89, 173, 245, 215, 205, 154, 58, 261) (3, 200, 177, 119, 99, 210, 121, 6, 158, 66, 248, 50, 181, 198, 40) (5, 38, 147, 219, 230, 222, 43, 9, 100, 97, 259, 247, 45, 110, 31) (8, 244, 17, 65, 28, 22, 132, 33, 169, 75, 189, 25, 37, 190, 55) (10, 264, 148, 233, 70, 84, 105, 35, 185, 56, 207, 254, 175, 159, 61) (12, 71, 107, 96, 64, 21, 226, 54, 141, 145, 85, 142, 24, 165, 138) (13, 42, 150, 209, 196, 235, 217, 74, 191, 16, 216, 139, 224, 211, 253) (15, 90, 118, 72, 80, 265, 262, 26, 184, 170, 201, 163, 176, 111, 63) (18, 239, 203, 106, 27, 122, 263, 52, 178, 193, 134, 87, 149, 270, 136) (19, 229, 268, 144, 103, 83, 236, 47, 146, 127, 44, 112, 213, 153, 129) (20, 276, 255, 271, 69, 234, 88, 49, 186, 274, 212, 246, 164, 257, 182) (23, 81, 208, 242, 102, 95, 187, 92, 143, 174, 266, 250, 59, 29, 115) (30, 214, 156, 162, 194, 240, 218, 60, 223, 73, 67, 126, 256, 228, 202) ([...]) , (1, 23, 14, 81, 140, 208, 48, 242, 78, 102, 4, 95, 116, 187, 77, 92, 11, 143, 161, 174, 123, 266, 167, 250, 7, 59, 155, 29, 238, 115) (2, 262, 252, 26, 204, 184, 101, 170, 79, 201, 131, 163, 243, 176, 89, 111, 173, 63, 245, 15, 215, 90, 205, 118, 154, 72, 58, 80, 261, 265) (3, 257, 200, 182, 177, 20, 119, 276, 99, 255, 210, 271, 121, 69, 6, 234, 158, 88, 66, 49, 248, 186, 50, 274, 181, 212, 198, 246, 40, 164) (5, 258, 38, 232, 147, 172, 219, 160, 230, 62, 222, 151, 43, 206, 9, 272, 100, 197, 97, 76, 259, 68, 247, 133, 45, 32, 110, 251, 31, 125) (8, 139, 244, 224, 17, 211, 65, 253, 28, 13, 22, 42, 132, 150, 33, 209, 169, 196, 75, 235, 189, 217, 25, 74, 37, 191, 190, 16, 55, 216) (10, 162, 264, 194, 148, 240, 233, 218, 70, 60, 84, 223, 105, 73, 35, 67, 185, 126, 56, 256, 207, 228, 254, 202, 175, 30, 159, 214, 61, 156) (12, 113, 71, 273, 107, 130, 96, 94, 64, 41, 21, 98, 226, 53, 54, 152, 141, 275, 145, 124, 85, 128, 142, 188, 24, 34, 165, 221, 138, 36) ([...]) , (1, 29, 7, 266, 161, 92, 116, 102, 48, 81) (2, 80, 154, 90, 245, 111, 243, 201, 101, 26) (3, 246, 181, 186, 66, 234, 121, 255, 119, 182) (4, 242, 140, 23, 238, 59, 167, 174, 11, 187) (5, 251, 45, 68, 97, 272, 43, 62, 219, 232) (6, 271, 99, 20, 200, 164, 198, 274, 248, 88) (8, 16, 37, 217, 75, 209, 132, 13, 65, 224) (9, 151, 230, 172, 38, 125, 110, 133, 259, 197) (10, 214, 175, 228, 56, 67, 105, 60, 233, 194) (12, 221, 24, 128, 145, 152, 226, 41, 96, 273) (14, 115, 155, 250, 123, 143, 77, 95, 78, 208) (15, 173, 176, 131, 170, 204, 262, 261, 72, 205) (17, 139, 55, 191, 25, 235, 169, 150, 22, 253) (18, 263, 149, 106, 193) (19, 51, 213, 120, 127, 46, 236, 39, 144, 108) (21, 94, 107, 113, 138, 34, 142, 124, 141, 53) (27, 134, 239, 52, 270) (28, 211, 244, 216, 190, 74, 189, 196, 33, 42) (30, 254, 256, 185, 73, 84, 218, 148, 162, 61) (31, 32, 247, 76, 100, 206, 222, 160, 147, 258) (35, 223, 70, 240, 264, 156, 159, 202, 207, 126) ([...]) , (1, 48, 116, 161, 7) (2, 101, 243, 245, 154) (3, 119, 121, 66, 181) (4, 11, 167, 238, 140) (5, 219, 43, 97, 45) (6, 248, 198, 200, 99) (8, 65, 132, 75, 37) (9, 259, 110, 38, 230) (10, 233, 105, 56, 175) (12, 96, 226, 145, 24) (13, 209, 217, 16, 224) (14, 78, 77, 123, 155) (15, 72, 262, 170, 176) (17, 22, 169, 25, 55) (18, 106, 263, 193, 149) (19, 144, 236, 127, 213) (20, 271, 88, 274, 164) (21, 141, 142, 138, 107) (23, 242, 187, 174, 59) (26, 201, 111, 90, 80) (27, 52, 134, 270, 239) (28, 33, 189, 190, 244) (29, 81, 102, 92, 266) (30, 162, 218, 73, 256) (31, 147, 222, 100, 247) (32, 258, 160, 206, 76) (34, 113, 94, 53, 124) (35, 207, 159, 264, 70) (36, 130, 98, 275, 188) (39, 46, 120, 51, 108) (40, 177, 210, 158, 50) (41, 152, 128, 221, 273) (42, 196, 74, 216, 211) (44, 153, 229, 103, 47) (49, 212, 257, 276, 69) (54, 85, 165, 71, 64) (57, 183, 225, 82, 157) (58, 252, 79, 89, 215) (60, 67, 228, 214, 194) (61, 148, 84, 185, 254) ([...]) , (1, 59, 123, 92, 4, 208) (2, 72, 215, 111, 131, 184) (3, 212, 248, 234, 210, 20) (5, 32, 259, 272, 222, 172) (6, 255, 177, 164, 181, 49) (7, 174, 77, 102, 140, 115) (8, 191, 189, 209, 22, 211) (9, 62, 147, 125, 45, 76) (10, 30, 207, 67, 84, 240) (11, 95, 48, 23, 155, 266) (12, 34, 85, 152, 21, 130) (13, 17, 216, 37, 235, 33) (14, 29, 167, 143, 116, 242) (15, 89, 201, 204, 265, 154) (16, 25, 196, 132, 253, 244) (18, 122, 134) (19, 171, 44, 46, 83, 199) (24, 124, 54, 41, 107, 36) (26, 261, 118, 245, 176, 79) (27, 193, 136) (28, 224, 55, 74, 75, 150) (31, 133, 97, 206, 230, 232) (35, 60, 148, 156, 175, 256) (38, 251, 247, 197, 43, 160) (39, 268, 135, 213, 117, 47) (40, 274, 66, 69, 99, 182) (42, 65, 139, 190, 217, 169) (50, 88, 121, 276, 200, 246) (51, 112, 195, 236, 93, 229) (52, 149, 203) (53, 64, 273, 138, 188, 145) (56, 73, 70, 194, 61, 202) (58, 90, 173, 163, 101, 262) (63, 243, 170, 252, 80, 205) (68, 100, 151, 219, 258, 110) ([...]) , (1, 77, 238, 116, 155, 4, 7, 78, 167, 48, 123,

140, 161, 14, 11) (2, 89, 261, 243, 58, 131, 154, 79, 205, 101, 215, 204, 245, 252, 173) (3, 6, 40, 121, 198, 210, 181, 99, 50, 119, 248, 177, 66, 200, 158) (5, 9, 31, 43, 110, 222, 45, 230, 247, 219, 259, 147, 97, 38, 100) (8, 33, 55, 132, 190, 22, 37, 28, 25, 65, 189, 17, 75, 244, 169) (10, 35, 61, 105, 159, 84, 175, 70, 254, 233, 207, 148, 56, 264, 185) (12, 54, 138, 226, 165, 21, 24, 64, 142, 96, 85, 107, 145, 71, 141) (13, 74, 253, 217, 211, 235, 224, 196, 139, 209, 216, 150, 16, 42, 191) (15, 26, 63, 262, 111, 265, 176, 80, 163, 72, 201, 118, 170, 90, 184) (18, 52, 136, 263, 270, 122, 149, 27, 87, 106, 134, 203, 193, 239, 178) (19, 47, 129, 236, 153, 83, 213, 103, 112, 144, 44, 268, 127, 229, 146) (20, 49, 182, 88, 257, 234, 164, 69, 246, 271, 212, 255, 274, 276, 186) (23, 92, 115, 187, 29, 95, 59, 102, 250, 242, 266, 208, 174, 81, 143) (30, 60, 202, 218, 228, 240, 256, 194, 126, 162, 67, 156, 73, 214, 223) ([...]) , (1, 78, 11, 7, 14, 4, 161, 155, 140, 116, 123, 238, 48, 77, 167) (2, 79, 173, 154, 252, 131, 245, 58, 204, 243, 215, 261, 101, 89, 205) (3, 99, 158, 181, 200, 210, 66, 198, 177, 121, 248, 40, 119, 6, 50) (5, 230, 100, 45, 38, 222, 97, 110, 147, 43, 259, 31, 219, 9, 247) (8, 28, 169, 37, 244, 22, 75, 190, 17, 132, 189, 55, 65, 33, 25) (10, 70, 185, 175, 264, 84, 56, 159, 148, 105, 207, 61, 233, 35, 254) (12, 64, 141, 24, 71, 21, 145, 165, 107, 226, 85, 138, 96, 54, 142) (13, 196, 191, 224, 42, 235, 16, 211, 150, 217, 216, 253, 209, 74, 139) (15, 80, 184, 176, 90, 265, 170, 111, 118, 262, 201, 63, 72, 26, 163) (18, 27, 178, 149, 239, 122, 193, 270, 203, 263, 134, 136, 106, 52, 87) (19, 103, 146, 213, 229, 83, 127, 153, 268, 236, 44, 129, 144, 47, 112) (20, 69, 186, 164, 276, 234, 274, 257, 255, 88, 212, 182, 271, 49, 246) (23, 102, 143, 59, 81, 95, 174, 29, 208, 187, 266, 115, 242, 92, 250) (30, 194, 223, 256, 214, 240, 73, 228, 156, 218, 67, 202, 162, 60, 126) ([...]) , (1, 81, 48, 102, 116, 92, 161, 266, 7, 29) (2, 26, 101, 201, 243, 111, 245, 90, 154, 80) (3, 182, 119, 255, 121, 234, 66, 186, 181, 246) (4, 187, 11, 174, 167, 59, 238, 23, 140, 242) (5, 232, 219, 62, 43, 272, 97, 68, 45, 251) (6, 88, 248, 274, 198, 164, 200, 20, 99, 271) (8, 224, 65, 13, 132, 209, 75, 217, 37, 16) (9, 197, 259, 133, 110, 125, 38, 172, 230, 151) (10, 194, 233, 60, 105, 67, 56, 228, 175, 214) (12, 273, 96, 41, 226, 152, 145, 128, 24, 221) (14, 208, 78, 95, 77, 143, 123, 250, 155, 115) (15, 205, 72, 261, 262, 204, 170, 131, 176, 173) (17, 253, 22, 150, 169, 235, 25, 191, 55, 139) (18, 193, 106, 149, 263) (19, 108, 144, 39, 236, 46, 127, 120, 213, 51) (21, 53, 141, 124, 142, 34, 138, 113, 107, 94) (27, 270, 52, 239, 134) (28, 42, 33, 196, 189, 74, 190, 216, 244, 211) (30, 61, 162, 148, 218, 84, 73, 185, 256, 254) (31, 258, 147, 160, 222, 206, 100, 76, 247, 32) (35, 126, 207, 202, 159, 156, 264, 240, 70, 223) ([...]) , (1, 92) (2, 111) (3, 234) (4, 59) (5, 272) (6, 164) (7, 102) (8, 209) (9, 125) (10, 67) (11, 23) (12, 152) (13, 37) (14, 143) (15, 204) (16, 132) (17, 235) (19, 46) (20, 248) (21, 34) (22, 191) (24, 41) (25, 253) (26, 245) (28, 74) (29, 116) (30, 84) (31, 206) (32, 222) (33, 216) (35, 156) (36, 54) (38, 197) (39, 213) (40, 69) (42, 190) (43, 251) (44, 199) (45, 62) (47, 135) (48, 266) (49, 177) (50, 276) (51, 236) (53, 138) (55, 150) (56, 194) (58, 163) (60, 175) (61, 73) (63, 252) (64, 188) (65, 217) (66, 182) (68, 219) (70, 202) (71, 275) (72, 131) (75, 224) (76, 147) (77, 115) (78, 250) (79, 118) (80, 243) (81, 161) (83, 171) (85, 130) (88, 200) (89, 265) (90, 101) (93, 112) (94, 142) (95, 155) (96, 128) (97, 232) (98, 165) (99, 274) (100, 258) (103, 180) (105, 214) (107, 124) (108, 127) (110, 151) (113, 141) (117, 268) (119, 186) (120, 144) (121, 246) (123, 208) (126, 264) (129, 166) (133, 230) (139, 169) (140, 174) (145, 273) (146, 192) (148, 256) (153, 220) (154, 201) (158, 257) ([...]) , (1, 95, 167, 81, 77, 59, 48, 143, 238, 102, 123, 23, 116, 250, 140, 92, 155, 242, 161, 115, 4, 266, 14, 187, 7, 208, 11, 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187, 155, 102, 167, 208, 161, 23, 77, 29, 4, 250, 48, 174, 14, 92, 238, 95, 7, 242, 123, 81, 11, 115, 116, 59, 78, 266, 140, 143) (2, 176, 58, 201, 205, 184, 245, 262, 89, 80, 131, 118, 101, 15, 252, 111, 261, 163, 154, 170, 215, 26, 173, 265, 243, 72, 79, 90, 204, 63) (3, 69, 198, 255, 50, 20, 66, 257, 6, 246, 210, 274, 119, 49, 200, 234, 40, 271, 181, 276, 248, 182, 158, 164, 121, 212, 99, 186, 177, 88) (5, 206, 110, 62, 247, 172, 97, 258, 9, 251, 222, 133, 219, 76, 38, 272, 31, 151, 45, 160, 259, 232, 100, 125, 43, 32, 230, 68, 147, 197) (8, 150, 190, 13, 25, 211, 75, 139, 33, 16, 22, 74, 65, 235, 244, 209, 55, 42, 37, 253, 189, 224, 169, 216, 132, 191, 28, 217, 17, 196) (10, 73, 159, 60, 254, 240, 56, 162, 35, 214, 84, 202, 233, 256, 264, 67, 61, 223, 175, 218, 207, 194, 185, 156, 105, 30, 70, 228, 148, 126) (12, 53, 165, 41, 142, 130, 145, 113, 54, 221, 21, 188, 96, 124, 71, 152, 138, 98, 24, 94, 85, 273, 141, 36, 226, 34, 64, 128, 107, 275) ([...]) , (1, 208, 4, 92, 123, 59) (2, 184, 131, 111, 215, 72) (3, 20, 210, 234, 248, 212) (5, 172, 222, 272, 259, 32) (6, 49, 181, 164, 177, 255) (7, 115, 140, 102, 77, 174) (8, 211, 22, 209, 189, 191) (9, 76, 45, 125, 147, 62) (10, 240, 84, 67, 207, 30) (11, 266, 155, 23, 48, 95) (12, 130, 21, 152, 85, 34) (13, 33, 235, 37, 216, 17) (14, 242,

116, 143, 167, 29) (15, 154, 265, 204, 201, 89) (16, 244, 253, 132, 196, 25) (18, 134, 122) (19, 199, 83, 46, 44, 171) (24, 36, 107, 41, 54, 124) (26, 79, 176, 245, 118, 261) (27, 136, 193) (28, 150, 75, 74, 55, 224) (31, 232, 230, 206, 97, 133) (35, 256, 175, 156, 148, 60) (38, 160, 43, 197, 247, 251) (39, 47, 117, 213, 135, 268) (40, 182, 99, 69, 66, 274) (42, 169, 217, 190, 139, 65) (50, 246, 200, 276, 121, 88) (51, 229, 93, 236, 195, 112) (52, 203, 149) (53, 145, 188, 138, 273, 64) (56, 202, 61, 194, 70, 73) (58, 262, 101, 163, 173, 90) (63, 205, 80, 252, 170, 243) (68, 110, 258, 219, 151, 100) ([...]) , (1, 238, 155, 7, 167, 123, 161, 11, 77, 116, 4, 78, 48, 140, 14) (2, 261, 58, 154, 205, 215, 245, 173, 89, 243, 131, 79, 101, 204, 252) (3, 40, 198, 181, 50, 248, 66, 158, 6, 121, 210, 99, 119, 177, 200) (5, 31, 110, 45, 247, 259, 97, 100, 9, 43, 222, 230, 219, 147, 38) (8, 55, 190, 37, 25, 189, 75, 169, 33, 132, 22, 28, 65, 17, 244) (10, 61, 159, 175, 254, 207, 56, 185, 35, 105, 84, 70, 233, 148, 264) (12, 138, 165, 24, 142, 85, 145, 141, 54, 226, 21, 64, 96, 107, 71) (13, 253, 211, 224, 139, 216, 16, 191, 74, 217, 235, 196, 209, 150, 42) (15, 63, 111, 176, 163, 201, 170, 184, 26, 262, 265, 80, 72, 118, 90) (18, 136, 270, 149, 87, 134, 193, 178, 52, 263, 122, 27, 106, 203, 239) (19, 129, 153, 213, 112, 44, 127, 146, 47, 236, 83, 103, 144, 268, 229) (20, 182, 257, 164, 246, 212, 274, 186, 49, 88, 234, 69, 271, 255, 276) (23, 115, 29, 59, 250, 266, 174, 143, 92, 187, 95, 102, 242, 208, 81) (30, 202, 228, 256, 126, 67, 73, 223, 60, 218, 240, 194, 162, 156, 214) ([...]) , (1, 242, 77, 266, 238, 208, 116, 174, 155, 81, 4, 143, 7, 23, 78, 92, 167, 115, 48, 187, 123, 29, 140, 95, 161, 59, 14, 102, 11, 250) (2, 170, 89, 90, 261, 184, 243, 15, 58, 26, 131, 63, 154, 262, 79, 111, 205, 265, 101, 176, 215, 80, 204, 163, 245, 72, 252, 201, 173, 118) (3, 276, 6, 186, 40, 20, 121, 49, 198, 182, 210, 88, 181, 257, 99, 234, 50, 164, 119, 69, 248, 246, 177, 271, 66, 212, 200, 255, 158, 274) (5, 160, 9, 68, 31, 172, 43, 76, 110, 232, 222, 197, 45, 258, 230, 272, 247, 125, 219, 206, 259, 251, 147, 151, 97, 32, 38, 62, 100, 133) (8, 253, 33, 217, 55, 211, 132, 235, 190, 224, 22, 196, 37, 139, 28, 209, 25, 216, 65, 150, 189, 16, 17, 42, 75, 191, 244, 13, 169, 74) (10, 218, 35, 228, 61, 240, 105, 256, 159, 194, 84, 126, 175, 162, 70, 67, 254, 156, 233, 73, 207, 214, 148, 223, 56, 30, 264, 60, 185, 202) (12, 94, 54, 128, 138, 130, 226, 124, 165, 273, 21, 275, 24, 113, 64, 152, 142, 36, 96, 53, 85, 221, 107, 98, 145, 34, 71, 41, 141, 188) ([...]) , (1, 250, 11, 102, 14, 59, 161, 95, 140, 29, 123, 187, 48, 115, 167, 92, 78, 23, 7, 143, 4, 81, 155, 174, 116, 208, 238, 266, 77, 242) (2, 118, 173, 201, 252, 72, 245, 163, 204, 80, 215, 176, 101, 265, 205, 111, 79, 262, 154, 63, 131, 26, 58, 15, 243, 184, 261, 90, 89, 170) (3, 274, 158, 255, 200, 212, 66, 271, 177, 246, 248, 69, 119, 164, 50, 234, 99, 257, 181, 88, 210, 182, 198, 49, 121, 20, 40, 186, 6, 276) (5, 133, 100, 62, 38, 32, 97, 151, 147, 251, 259, 206, 219, 125, 247, 272, 230, 258, 45, 197, 222, 232, 110, 76, 43, 172, 31, 68, 9, 160) (8, 74, 169, 13, 244, 191, 75, 42, 17, 16, 189, 150, 65, 216, 25, 209, 28, 139, 37, 196, 22, 224, 190, 235, 132, 211, 55, 217, 33, 253) (10, 202, 185, 60, 264, 30, 56, 223, 148, 214, 207, 73, 233, 156, 254, 67, 70, 162, 175, 126, 84, 194, 159, 256, 105, 240, 61, 228, 35, 218) (12, 188, 141, 41, 71, 34, 145, 98, 107, 221, 85, 53, 96, 36, 142, 152, 64, 113, 24, 275, 21, 273, 165, 124, 226, 130, 138, 128, 54, 94) ([...]) , (1, 266, 116, 81, 7, 92, 48, 29, 161, 102) (2, 90, 243, 26, 154, 111, 101, 80, 245, 201) (3, 186, 121, 182, 181, 234, 119, 246, 66, 255) (4, 23, 167, 187, 140, 59, 11, 242, 238, 174) (5, 68, 43, 232, 45, 272, 219, 251, 97, 62) (6, 20, 198, 88, 99, 164, 248, 271, 200, 274) (8, 217, 132, 224, 37, 209, 65, 16, 75, 13) (9, 172, 110, 197, 230, 125, 259, 151, 38, 133) (10, 228, 105, 194, 175, 67, 233, 214, 56, 60) (12, 128, 226, 273, 24, 152, 96, 221, 145, 41) (14, 250, 77, 208, 155, 143, 78, 115, 123, 95) (15, 131, 262, 205, 176, 204, 72, 173, 170, 261) (17, 191, 169, 253, 55, 235, 22, 139, 25, 150) (18, 106, 263, 193, 149) (19, 120, 236, 108, 213, 46, 144, 51, 127, 39) (21, 113, 142, 53, 107, 34, 141, 94, 138, 124) (27, 52, 134, 270, 239) (28, 216, 189, 42, 244, 74, 33, 211, 190, 196) (30, 185, 218, 61, 256, 84, 162, 254, 73, 148) (31, 76, 222, 258, 247, 206, 147, 32, 100, 160) (35, 240, 159, 126, 70, 156, 207, 223, 264, 202) ([...]) .

The character table of $G^{s_{38}}$:

	10										20										
$\chi_{38}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
$\chi_{38}^{(2)}$	1	1	1	1	1	-1	-1	1	-1	1	1	-1	-1	-1	-1	1	1	1	-1	1	
$\chi_{38}^{(3)}$	1	1	B	/B	/C	-/B	-/C	/B	-1	B	C	-C	-1	-/B	-B	-B	/C	1	B	-/C	/B
$\chi_{38}^{(4)}$	1	1	C	/C	B	-/C	-B	/C	-1	C	/B	-/B	-1	-/C	-C	-C	B	1	C	-B	/C
$\chi_{38}^{(5)}$	1	1	/C	C	/B	-C	-/B	C	-1	/C	B	-B	-1	-C	-/C	-/C	/B	1	/C	-/B	C
$\chi_{38}^{(6)}$	1	1	/B	B	C	-B	-C	B	-1	/B	/C	-/C	-1	-B	-/B	-/B	C	1	/B	-C	B
$\chi_{38}^{(7)}$	1	1	B	/B	/C	/B	/C	/B	1	B	C	C	1	/B	B	B	/C	1	B	/C	/B
$\chi_{38}^{(8)}$	1	1	C	/C	B	/C	B	/C	1	C	/B	/B	1	/C	C	C	B	1	C	B	/C
$\chi_{38}^{(9)}$	1	1	/C	C	/B	C	/B	C	1	/C	B	B	1	C	/C	/C	/B	1	/C	/B	C
$\chi_{38}^{(10)}$	1	1	/B	B	C	B	C	B	1	/B	/C	/C	1	B	/B	/B	C	1	/B	C	B
$\chi_{38}^{(11)}$	1	A	1	A	/A	-A	-1	1	-A	/A	/A	-1	-1	-/A	-1	-/A	1	/A	A	-/A	/A
$\chi_{38}^{(12)}$	1	/A	1	/A	A	-/A	-1	1	-/A	A	A	-1	-1	-A	-1	-A	1	A	/A	-A	A
$\chi_{38}^{(13)}$	1	A	1	A	/A	A	1	1	A	/A	/A	1	1	/A	1	/A	1	/A	A	/A	/A
$\chi_{38}^{(14)}$	1	/A	1	/A	A	/A	1	1	/A	A	A	1	1	A	1	A	1	A	/A	A	A
$\chi_{38}^{(15)}$	1	A	B	D	/F	-D	-/C	/B	-A	/D	/E	-C	-1	-/G	-B	-/D	/C	/A	G	-/F	/G
$\chi_{38}^{(16)}$	1	A	C	E	/D	-E	-B	/C	-A	/E	/G	-/B	-1	-/F	-C	-/E	B	/A	F	-/D	/F
$\chi_{38}^{(17)}$	1	A	/C	F	/G	-F	-/B	C	-A	/F	/D	-B	-1	-/E	-/C	-/F	/B	/A	E	-/G	/E
$\chi_{38}^{(18)}$	1	A	/B	G	/E	-G	-C	B	-A	/G	/F	-/C	-1	-/D	-/B	-/G	C	/A	D	-/E	/D
$\chi_{38}^{(19)}$	1	/A	B	/G	E	-/G	-/C	/B	-/A	G	F	-C	-1	-D	-B	-G	/C	A	/D	-E	D
$\chi_{38}^{(20)}$	1	/A	C	/F	G	-/F	-B	/C	-/A	F	D	-/B	-1	-E	-C	-F	B	A	/E	-G	E
$\chi_{38}^{(21)}$	1	/A	/C	/E	D	-/E	-/B	C	-/A	E	G	-B	-1	-F	-/C	-E	/B	A	/F	-D	F
$\chi_{38}^{(22)}$	1	/A	/B	/D	F	-/D	-C	B	-/A	D	E	-/C	-1	-G	-/B	-D	C	A	/G	-F	G
$\chi_{38}^{(23)}$	1	A	B	D	/F	D	/C	/B	A	/D	/E	C	1	/G	B	/D	/C	/A	G	/F	/G
$\chi_{38}^{(24)}$	1	A	C	E	/D	E	B	/C	A	/E	/G	/B	1	/F	C	/E	B	/A	F	/D	/F
$\chi_{38}^{(25)}$	1	A	/C	F	/G	F	/B	C	A	/F	/D	B	1	/E	/C	/F	/B	/A	E	/G	/E
$\chi_{38}^{(26)}$	1	A	/B	G	/E	G	C	B	A	/G	/F	/C	1	/D	/B	/G	C	/A	D	/E	/D
$\chi_{38}^{(27)}$	1	/A	B	/G	E	/G	/C	/B	/A	G	F	C	1	D	B	G	/C	A	/D	E	D
$\chi_{38}^{(28)}$	1	/A	C	/F	G	/F	B	/C	/A	F	D	/B	1	E	C	F	B	A	/E	G	E
$\chi_{38}^{(29)}$	1	/A	/C	/E	D	/E	/B	C	/A	E	G	B	1	F	/C	E	/B	A	/F	D	F
$\chi_{38}^{(30)}$	1	/A	/B	/D	F	/D	C	B	/A	D	E	/C	1	G	/B	D	C	A	/G	F	G

$\chi_{38}^{(1)}$	1	1	1	1	1	1	1	1	1
$\chi_{38}^{(2)}$	1	1	-1	-1	-1	1	-1	-1	-1
$\chi_{38}^{(3)}$	C	/C	-B	-C	-1	C	-/C	-C	-/B
$\chi_{38}^{(4)}$	/B	B	-C	-/B	-1	/B	-B	-/B	-/C
$\chi_{38}^{(5)}$	B	/B	-/C	-B	-1	B	-/B	-B	-C
$\chi_{38}^{(6)}$	/C	C	-/B	-/C	-1	/C	-C	-/C	-B
$\chi_{38}^{(7)}$	C	/C	B	C	1	C	/C	C	/B
$\chi_{38}^{(8)}$	/B	B	C	/B	1	/B	B	/B	/C
$\chi_{38}^{(9)}$	B	/B	/C	B	1	B	/B	B	C
$\chi_{38}^{(10)}$	/C	C	/B	/C	1	/C	C	/C	B
$\chi_{38}^{(11)}$	1	A	-A	-A	-/A	A	-A	-/A	-1
$\chi_{38}^{(12)}$	1	/A	-/A	-/A	-A	/A	-/A	-A	-1
$\chi_{38}^{(13)}$	1	A	A	A	/A	A	A	/A	1
$\chi_{38}^{(14)}$	1	/A	/A	/A	A	/A	/A	A	1
$\chi_{38}^{(15)}$	C	E	-G	-F	-/A	F	-E	-/E	-/B
$\chi_{38}^{(16)}$	/B	G	-F	-D	-/A	D	-G	-/G	-/C
$\chi_{38}^{(17)}$	B	D	-E	-G	-/A	G	-D	-/D	-C
$\chi_{38}^{(18)}$	/C	F	-D	-E	-/A	E	-F	-/F	-B
$\chi_{38}^{(19)}$	C	/F	-/D	-/E	-A	/E	-/F	-F	-/B
$\chi_{38}^{(20)}$	/B	/D	-/E	-/G	-A	/G	-/D	-D	-/C
$\chi_{38}^{(21)}$	B	/G	-/F	-/D	-A	/D	-/G	-G	-C
$\chi_{38}^{(22)}$	/C	/E	-/G	-/F	-A	/F	-/E	-E	-B
$\chi_{38}^{(23)}$	C	E	G	F	/A	F	E	/E	/B
$\chi_{38}^{(24)}$	/B	G	F	D	/A	D	G	/G	/C
$\chi_{38}^{(25)}$	B	D	E	G	/A	G	D	/D	C
$\chi_{38}^{(26)}$	/C	F	D	E	/A	E	F	/F	B
$\chi_{38}^{(27)}$	C	/F	/D	/E	A	/E	/F	F	/B
$\chi_{38}^{(28)}$	/B	/D	/E	/G	A	/G	/D	D	/C
$\chi_{38}^{(29)}$	B	/G	/F	/D	A	/D	/G	G	C
$\chi_{38}^{(30)}$	/C	/E	/G	/F	A	/F	/E	E	B

where $A=E(3)^2=(-1-ER(-3))/2=-1-b_3$; $B=E(5)^4$; $C=E(5)^3$; $D=E(15)^{13}$; $E=E(15)$; $F=E(15)^4$; $G=E(15)^7$.

The generators of $G^{s_{39}}$ are:

(1, 250, 11, 102, 14, 59, 161, 95, 140, 29, 123, 187, 48, 115, 167, 92, 78, 23, 7, 143, 4, 81, 155, 174, 116, 208, 238, 266, 77, 242) (2, 118, 173, 201, 252, 72, 245, 163, 204, 80, 215, 176, 101, 265, 205, 111, 79, 262, 154, 63, 131, 26, 58, 15, 243, 184, 261, 90, 89, 170) (3, 274, 158, 255, 200, 212, 66, 271, 177, 246, 248, 69, 119, 164, 50, 234, 99, 257, 181, 88, 210, 182, 198, 49, 121, 20, 40, 186, 6, 276) (5, 133, 100, 62, 38, 32, 97, 151, 147, 251, 259, 206, 219, 125, 247, 272, 230, 258, 45, 197, 222, 232, 110, 76, 43, 172, 31, 68, 9, 160) (8, 74, 169, 13, 244, 191, 75, 42, 17, 16, 189, 150, 65, 216, 25, 209, 28, 139, 37, 196, 22, 224, 190, 235, 132, 211, 55, 217, 33, 253) (10, 202, 185, 60, 264, 30, 56, 223, 148, 214, 207, 73, 233, 156, 254, 67, 70, 162, 175, 126, 84, 194, 159, 256, 105, 240, 61, 228, 35, 218) (12, 188, 141, 41, 71, 34, 145, 98, 107, 221, 85, 53, 96, 36, 142, 152, 64, 113, 24, 275, 21, 273, 165, 124, 226, 130, 138, 128, 54, 94) (18, 27, 178, 149, 239, 122, 193, 270, 203, 263, 134, 136, 106, 52, 87) (19, 180, 146, 39, 229, 171, 127, 220, 268, 51, 44, 166, 144, 135, 112, 46, 103, 192, 213, 195, 83, 108, 153, 117, 236, 199, 129, 120, 47, 93) (57, 82, 183, 157, 225) (86, 241, 168, 109, 269, 267, 227, 91, 249, 179, 104, 114, 137, 260, 237).

The representatives of conjugacy classes of $G^{s_{39}}$ are:

() , (1, 4, 123) (2, 131, 215) (3, 210, 248) (5, 222, 259) (6, 181, 177) (7, 140, 77) (8, 22, 189) (9, 45, 147) (10, 84, 207) (11, 155, 48) (12, 21, 85) (13, 235, 216) (14, 116, 167) (15, 265, 201) (16, 253, 196) (17, 33, 37) (18, 122, 134) (19, 83, 44) (20, 234, 212) (23, 95, 266) (24, 107, 54) (25, 244, 132) (26, 176, 118) (27, 193, 136) (28, 75, 55) (29, 242, 143) (30, 240, 67) (31, 230, 97) (32, 172, 272) (34, 130, 152) (35, 175, 148) (36, 41, 124) (38, 43, 247) (39, 117, 135) (40, 99, 66) (42, 217, 139) (46, 171, 199) (47, 213, 268) (49, 164, 255) (50, 200, 121) (51, 93, 195) (52, 149, 203) (53, 188, 273) (56, 61, 70) (58, 101, 173) (59, 208, 92) (60, 256, 156) (62, 76, 125) (63, 80, 170) (64, 145, 138) (65, 169, 190) (68, 258, 151) (69, 274, 182) (71, 226, 142) (72, 184, 111) (73, 202, 194) (74, 224, 150) (78, 161, 238) (79, 245, 261) (81, 187, 250) (86, 267, 104) (87, 239, 263) (88, 246, 276) (89, 154, 204) (90, 262, 163) (91, 137, 168) (94, 275, 221) ([...]) , (1, 7, 161, 116, 48) (2, 154, 245, 243, 101) (3, 181, 66, 121, 119) (4, 140, 238, 167, 11) (5, 45, 97, 43, 219) (6, 99, 200, 198, 248) (8, 37, 75, 132, 65) (9, 230, 38, 110, 259) (10, 175, 56, 105, 233) (12, 24, 145, 226, 96) (13, 224, 16, 217, 209) (14, 155, 123, 77, 78) (15, 176, 170, 262, 72) (17, 55, 25, 169, 22) (18, 149, 193, 263, 106) (19, 213, 127, 236, 144) (20, 164, 274, 88, 271) (21, 107, 138, 142, 141) (23, 59, 174, 187, 242) (26, 80, 90, 111, 201) (27, 239, 270, 134, 52) (28, 244, 190, 189, 33) (29, 266, 92, 102, 81) (30, 256, 73, 218, 162) (31, 247, 100, 222, 147) (32, 76, 206, 160, 258) (34, 124, 53, 94, 113) (35, 70, 264, 159, 207) (36, 188, 275, 98, 130) (39, 108, 51, 120, 46) (40, 50, 158, 210, 177) (41, 273, 221, 128, 152) (42, 211, 216, 74, 196) (44, 47, 103, 229, 153) (49, 69, 276, 257, 212) (54, 64, 71, 165, 85) (57, 157, 82, 225, 183) (58, 215, 89, 79, 252) (60, 194, 214, 228, 67) (61, 254, 185, 84, 148) ([...]) , (1, 11, 14, 161, 140, 123, 48, 167, 78, 7, 4, 155, 116, 238, 77) (2, 173, 252, 245, 204, 215, 101, 205, 79, 154, 131, 58, 243, 261, 89) (3, 158, 200, 66, 177, 248, 119, 50, 99, 181, 210, 198, 121, 40, 6) (5, 100, 38, 97, 147, 259, 219, 247, 230, 45, 222, 110, 43, 31, 9) (8, 169, 244, 75, 17, 189, 65, 25, 28, 37, 22, 190, 132, 55, 33) (10, 185, 264, 56, 148, 207, 233, 254, 70, 175, 84, 159, 105, 61, 35) (12, 141, 71, 145, 107, 85, 96, 142, 64, 24, 21, 165, 226, 138, 54) (13, 191, 42, 16, 150, 216, 209, 139, 196, 224, 235, 211, 217, 253, 74) (15, 184, 90, 170, 118, 201, 72, 163, 80, 176, 265, 111, 262, 63, 26) (18, 178, 239, 193, 203, 134, 106, 87, 27, 149, 122, 270, 263, 136, 52) (19, 146, 229, 127, 268, 44, 144, 112, 103, 213, 83, 153, 236, 129, 47) (20, 186, 276, 274, 255, 212, 271, 246, 69, 164, 234, 257, 88, 182, 49) (23, 143, 81, 174, 208, 266, 242, 250, 102, 59, 95, 29, 187, 115, 92) (30, 223, 214, 73, 156, 67, 162, 126, 194, 256, 240, 228, 218, 202, 60) ([...]) , (1, 14, 140, 48, 78, 4, 116, 77, 11, 161, 123, 167, 7, 155, 238) (2, 252, 204, 101, 79, 131, 243, 89, 173, 245, 215, 205, 154, 58, 261) (3, 200, 177, 119, 99, 210, 121, 6, 158, 66, 248, 50, 181, 198, 40) (5, 38, 147, 219, 230, 222, 43, 9, 100, 97, 259, 247, 45, 110, 31) (8, 244, 17, 65, 28, 22, 132, 33, 169, 75, 189, 25, 37, 190, 55) (10, 264, 148, 233, 70, 84, 105, 35, 185, 56, 207, 254, 175, 159, 61) (12, 71, 107, 96, 64, 21, 226, 54, 141, 145, 85, 142, 24, 165, 138) (13, 42, 150, 209, 196, 235, 217, 74, 191, 16, 216, 139, 224, 211, 253) (15, 90, 118, 72, 80, 265, 262, 26, 184, 170, 201, 163, 176, 111, 63) (18, 239, 203, 106, 27, 122, 263, 52, 178, 193, 134, 87, 149, 270, 136) (19, 229, 268, 144, 103, 83, 236, 47, 146, 127, 44, 112, 213, 153, 129) (20, 276, 255, 271, 69, 234, 88, 49, 186, 274, 212, 246, 164, 257, 182) (23, 81, 208, 242, 102, 95, 187, 92, 143, 174, 266, 250, 59, 29, 115) (30, 214, 156, 162, 194, 240, 218, 60, 223, 73, 67, 126, 256, 228, 202) ([...]) , (1, 23, 14, 81, 140, 208, 48, 242, 78, 102, 4, 95, 116, 187, 77, 92, 11, 143, 161, 174, 123, 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149, 263) (19, 127, 144, 213, 236) (20, 274, 271, 164, 88) (21, 138, 141, 107, 142) (23, 174, 242, 59, 187) (26, 90, 201, 80, 111) (27, 270, 52, 239, 134) (28, 190, 33, 244, 189) (29, 92, 81, 266, 102) (30, 73, 162, 256, 218) (31, 100, 147, 247, 222) (32, 206, 258, 76, 160) (34, 53, 113, 124, 94) (35, 264, 207, 70, 159) (36, 275, 130, 188, 98) (39, 51, 46, 108, 120) (40, 158, 177, 50, 210) (41, 221, 152, 273, 128) (42, 216, 196, 211, 74) (44, 103, 153, 47, 229) (49, 276, 212, 69, 257) (54, 71, 85, 64, 165) (57, 82, 183, 157, 225) (58, 89, 252, 215, 79) (60, 214, 67, 194, 228) (61, 185, 148, 254, 84) ([...]) , (1, 167, 77, 48, 238, 123, 116, 140, 155, 161, 4, 14, 7, 11, 78) (2, 205, 89, 101, 261, 215, 243, 204, 58, 245, 131, 252, 154, 173, 79) (3, 50, 6, 119, 40, 248, 121, 177, 198, 66, 210, 200, 181, 158, 99) (5, 247, 9, 219, 31, 259, 43, 147, 110, 97, 222, 38, 45, 100, 230) (8, 25, 33, 65, 55, 189, 132, 17, 190, 75, 22, 244, 37, 169, 28) (10, 254, 35, 233, 61, 207, 105, 148, 159, 56, 84, 264, 175, 185, 70) (12, 142, 54, 96, 138, 85, 226, 107, 165, 145, 21, 71, 24, 141, 64) (13, 139, 74, 209, 253, 216, 217, 150, 211, 16, 235, 42, 224, 191, 196) (15, 163, 26, 72, 63, 201, 262, 118, 111, 170, 265, 90, 176, 184, 80) (18, 87, 52, 106, 136, 134, 263, 203, 270, 193, 122, 239,

149, 178, 27) (19, 112, 47, 144, 129, 44, 236, 268, 153, 127, 83, 229, 213, 146, 103) (20, 246, 49, 271, 182, 212, 88, 255, 257, 274, 234, 276, 164, 186, 69) (23, 250, 92, 242, 115, 266, 187, 208, 29, 174, 95, 81, 59, 143, 102) (30, 126, 60, 162, 202, 67, 218, 156, 228, 73, 240, 214, 256, 223, 194) ([...]) , (1, 174, 78, 29, 11, 208, 7, 187, 14, 266, 4, 115, 161, 242, 155, 92, 140, 250, 116, 23, 123, 102, 238, 143, 48, 59, 77, 81, 167, 95) (2, 15, 79, 80, 173, 184, 154, 176, 252, 90, 131, 265, 245, 170, 58, 111, 204, 118, 243, 262, 215, 201, 261, 63, 101, 72, 89, 26, 205, 163) (3, 49, 99, 246, 158, 20, 181, 69, 200, 186, 210, 164, 66, 276, 198, 234, 177, 274, 121, 257, 248, 255, 40, 88, 119, 212, 6, 182, 50, 271) (5, 76, 230, 251, 100, 172, 45, 206, 38, 68, 222, 125, 97, 160, 110, 272, 147, 133, 43, 258, 259, 62, 31, 197, 219, 32, 9, 232, 247, 151) (8, 235, 28, 16, 169, 211, 37, 150, 244, 217, 22, 216, 75, 253, 190, 209, 17, 74, 132, 139, 189, 13, 55, 196, 65, 191, 33, 224, 25, 42) (10, 256, 70, 214, 185, 240, 175, 73, 264, 228, 84, 156, 56, 218, 159, 67, 148, 202, 105, 162, 207, 60, 61, 126, 233, 30, 35, 194, 254, 223) (12, 124, 64, 221, 141, 130, 24, 53, 71, 128, 21, 36, 145, 94, 165, 152, 107, 188, 226, 113, 85, 41, 138, 275, 96, 34, 54, 273, 142, 98) ([...]) , (1, 187, 155, 102, 167, 208, 161, 23, 77, 29, 4, 250, 48, 174, 14, 92, 238, 95, 7, 242, 123, 81, 11, 115, 116, 59, 78, 266, 140, 143) (2, 176, 58, 201, 205, 184, 245, 262, 89, 80, 131, 118, 101, 15, 252, 111, 261, 163, 154, 170, 215, 26, 173, 265, 243, 72, 79, 90, 204, 63) (3, 69, 198, 255, 50, 20, 66, 257, 6, 246, 210, 274, 119, 49, 200, 234, 40, 271, 181, 276, 248, 182, 158, 164, 121, 212, 99, 186, 177, 88) (5, 206, 110, 62, 247, 172, 97, 258, 9, 251, 222, 133, 219, 76, 38, 272, 31, 151, 45, 160, 259, 232, 100, 125, 43, 32, 230, 68, 147, 197) (8, 150, 190, 13, 25, 211, 75, 139, 33, 16, 22, 74, 65, 235, 244, 209, 55, 42, 37, 253, 189, 224, 169, 216, 132, 191, 28, 217, 17, 196) (10, 73, 159, 60, 254, 240, 56, 162, 35, 214, 84, 202, 233, 256, 264, 67, 61, 223, 175, 218, 207, 194, 185, 156, 105, 30, 70, 228, 148, 126) (12, 53, 165, 41, 142, 130, 145, 113, 54, 221, 21, 188, 96, 124, 71, 152, 138, 98, 24, 94, 85, 273, 141, 36, 226, 34, 64, 128, 107, 275) ([...]) , (1, 208, 4, 92, 123, 59) (2, 184, 131, 111, 215, 72) (3, 20, 210, 234, 248, 212) (5, 172, 222, 272, 259, 32) (6, 49, 181, 164, 177, 255) (7, 115, 140, 102, 77, 174) (8, 211, 22, 209, 189, 191) (9, 76, 45, 125, 147, 62) (10, 240, 84, 67, 207, 30) (11, 266, 155, 23, 48, 95) (12, 130, 21, 152, 85, 34) (13, 33, 235, 37, 216, 17) (14, 242, 116, 143, 167, 29) (15, 154, 265, 204, 201, 89) (16, 244, 253, 132, 196, 25) (18, 134, 122) (19, 199, 83, 46, 44, 171) (24, 36, 107, 41, 54, 124) (26, 79, 176, 245, 118, 261) (27, 136, 193) (28, 150, 75, 74, 55, 224) (31, 232, 230, 206, 97, 133) (35, 256, 175, 156, 148, 60) (38, 160, 43, 197, 247, 251) (39, 47, 117, 213, 135, 268) (40, 182, 99, 69, 66, 274) (42, 169, 217, 190, 139, 65) (50, 246, 200, 276, 121, 88) (51, 229, 93, 236, 195, 112) (52, 203, 149) (53, 145, 188, 138, 273, 64) (56, 202, 61, 194, 70, 73) (58, 262, 101, 163, 173, 90) (63, 205, 80, 252, 170, 243) (68, 110, 258, 219, 151, 100) ([...]) , (1, 238, 155, 7, 167, 123, 161, 11, 77, 116, 4, 78, 48, 140, 14) (2, 261, 58, 154, 205, 215, 245, 173, 89, 243, 131, 79, 101, 204, 252) (3, 40, 198, 181, 50, 248, 66, 158, 6, 121, 210, 99, 119, 177, 200) (5, 31, 110, 45, 247, 259, 97, 100, 9, 43, 222, 230, 219, 147, 38) (8, 55, 190, 37, 25, 189, 75, 169, 33, 132, 22, 28, 65, 17, 244) (10, 61, 159, 175, 254, 207, 56, 185, 35, 105, 84, 70, 233, 148, 264) (12, 138, 165, 24, 142, 85, 145, 141, 54, 226, 21, 64, 96, 107, 71) (13, 253, 211, 224, 139, 216, 16, 191, 74, 217, 235, 196, 209, 150, 42) (15, 63, 111, 176, 163, 201, 170, 184, 26, 262, 265, 80, 72, 118, 90) (18, 136, 270, 149, 87, 134, 193, 178, 52, 263, 122, 27, 106, 203, 239) (19, 129, 153, 213, 112, 44, 127, 146, 47, 236, 83, 103, 144, 268, 229) (20, 182, 257, 164, 246, 212, 274, 186, 49, 88, 234, 69, 271, 255, 276) (23, 115, 29, 59, 250, 266, 174, 143, 92, 187, 95, 102, 242, 208, 81) (30, 202, 228, 256, 126, 67, 73, 223, 60, 218, 240, 194, 162, 156, 214) ([...]) , (1, 242, 77, 266, 238, 208, 116, 174, 155, 81, 4, 143, 7, 23, 78, 92, 167, 115, 48, 187, 123, 29, 140, 95, 161, 59, 14, 102, 11, 250) (2, 170, 89, 90, 261, 184, 243, 15, 58, 26, 131, 63, 154, 262, 79, 111, 205, 265, 101, 176, 215, 80, 204, 163, 245, 72, 252, 201, 173, 118) (3, 276, 6, 186, 40, 20, 121, 49, 198, 182, 210, 88, 181, 257, 99, 234, 50, 164, 119, 69, 248, 246, 177, 271, 66, 212, 200, 255, 158, 274) (5, 160, 9, 68, 31, 172, 43, 76, 110, 232, 222, 197, 45, 258, 230, 272, 247, 125, 219, 206, 259, 251, 147, 151, 97, 32, 38, 62, 100, 133) (8, 253, 33, 217, 55, 211, 132, 235, 190, 224, 22, 196, 37, 139, 28, 209, 25, 216, 65, 150, 189, 16, 17, 42, 75, 191, 244, 13, 169, 74) (10, 218, 35, 228, 61, 240, 105, 256, 159, 194, 84, 126, 175, 162, 70, 67, 254, 156, 233, 73, 207, 214, 148, 223, 56, 30, 264, 60, 185, 202) (12, 94, 54, 128, 138, 130, 226, 124, 165, 273, 21, 275, 24, 113, 64, 152, 142, 36, 96, 53, 85, 221, 107, 98, 145, 34, 71, 41, 141, 188) ([...]) , (1, 250, 11, 102, 14, 59, 161, 95, 140, 29, 123, 187, 48, 115, 167, 92, 78, 23, 7, 143, 4, 81, 155, 174, 116, 208, 238, 266, 77, 242) (2,

118, 173, 201, 252, 72, 245, 163, 204, 80, 215, 176, 101, 265, 205, 111, 79, 262, 154, 63, 131, 26, 58, 15, 243, 184, 261, 90, 89, 170) (3, 274, 158, 255, 200, 212, 66, 271, 177, 246, 248, 69, 119, 164, 50, 234, 99, 257, 181, 88, 210, 182, 198, 49, 121, 20, 40, 186, 6, 276) (5, 133, 100, 62, 38, 32, 97, 151, 147, 251, 259, 206, 219, 125, 247, 272, 230, 258, 45, 197, 222, 232, 110, 76, 43, 172, 31, 68, 9, 160) (8, 74, 169, 13, 244, 191, 75, 42, 17, 16, 189, 150, 65, 216, 25, 209, 28, 139, 37, 196, 22, 224, 190, 235, 132, 211, 55, 217, 33, 253) (10, 202, 185, 60, 264, 30, 56, 223, 148, 214, 207, 73, 233, 156, 254, 67, 70, 162, 175, 126, 84, 194, 159, 256, 105, 240, 61, 228, 35, 218) (12, 188, 141, 41, 71, 34, 145, 98, 107, 221, 85, 53, 96, 36, 142, 152, 64, 113, 24, 275, 21, 273, 165, 124, 226, 130, 138, 128, 54, 94) ([...]) , (1, 266, 116, 81, 7, 92, 48, 29, 161, 102) (2, 90, 243, 26, 154, 111, 101, 80, 245, 201) (3, 186, 121, 182, 181, 234, 119, 246, 66, 255) (4, 23, 167, 187, 140, 59, 11, 242, 238, 174) (5, 68, 43, 232, 45, 272, 219, 251, 97, 62) (6, 20, 198, 88, 99, 164, 248, 271, 200, 274) (8, 217, 132, 224, 37, 209, 65, 16, 75, 13) (9, 172, 110, 197, 230, 125, 259, 151, 38, 133) (10, 228, 105, 194, 175, 67, 233, 214, 56, 60) (12, 128, 226, 273, 24, 152, 96, 221, 145, 41) (14, 250, 77, 208, 155, 143, 78, 115, 123, 95) (15, 131, 262, 205, 176, 204, 72, 173, 170, 261) (17, 191, 169, 253, 55, 235, 22, 139, 25, 150) (18, 106, 263, 193, 149) (19, 120, 236, 108, 213, 46, 144, 51, 127, 39) (21, 113, 142, 53, 107, 34, 141, 94, 138, 124) (27, 52, 134, 270, 239) (28, 216, 189, 42, 244, 74, 33, 211, 190, 196) (30, 185, 218, 61, 256, 84, 162, 254, 73, 148) (31, 76, 222, 258, 247, 206, 147, 32, 100, 160) (35, 240, 159, 126, 70, 156, 207, 223, 264, 202) ([...]) .

The character table of $G^{s_{39}}$:

	10										20									
$\chi_{39}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{39}^{(2)}$	1	1	1	1	1	-1	-1	1	-1	1	1	-1	-1	-1	-1	1	1	1	-1	1
$\chi_{39}^{(3)}$	1	A	1	A	/A	A	1	1	A	/A	/A	1	1	/A	1	/A	1	/A	A	/A
$\chi_{39}^{(4)}$	1	A	1	A	/A	-A	-1	1	-A	/A	/A	-1	-1	-/A	-1	-/A	1	/A	A	-/A
$\chi_{39}^{(5)}$	1	/A	1	/A	A	/A	1	1	/A	A	A	1	1	A	1	A	1	A	/A	A
$\chi_{39}^{(6)}$	1	/A	1	/A	A	-/A	-1	1	-/A	A	A	-1	-1	-A	-1	-A	1	A	/A	-A
$\chi_{39}^{(7)}$	1	1	B	/B	/C	/B	/C	/B	1	B	C	C	1	/B	B	B	/C	1	B	/C
$\chi_{39}^{(8)}$	1	1	B	/B	/C	-/B	-/C	/B	-1	B	C	-C	-1	-/B	-B	-B	/C	1	B	-/C
$\chi_{39}^{(9)}$	1	A	B	D	G	D	/C	/B	A	/D	/F	C	1	E	B	/D	/C	/A	/E	G
$\chi_{39}^{(10)}$	1	A	B	D	G	-D	-/C	/B	-A	/D	/F	-C	-1	-E	-B	-/D	/C	/A	/E	-G
$\chi_{39}^{(11)}$	1	/A	B	E	F	E	/C	/B	/A	/E	/G	C	1	D	B	/E	/C	A	/D	F
$\chi_{39}^{(12)}$	1	/A	B	E	F	-E	-/C	/B	-/A	/E	/G	-C	-1	-D	-B	-/E	/C	A	/D	-F
$\chi_{39}^{(13)}$	1	1	C	/C	B	/C	B	/C	1	C	/B	/B	1	/C	C	C	B	1	C	B
$\chi_{39}^{(14)}$	1	1	C	/C	B	-/C	-B	/C	-1	C	/B	-/B	-1	-/C	-C	-C	B	1	C	-B
$\chi_{39}^{(15)}$	1	A	C	F	/D	F	B	/C	A	/F	E	/B	1	G	C	/F	B	/A	/G	/D
$\chi_{39}^{(16)}$	1	A	C	F	/D	-F	-B	/C	-A	/F	E	-/B	-1	-G	-C	-/F	B	/A	/G	-/D
$\chi_{39}^{(17)}$	1	/A	C	G	/E	G	B	/C	/A	/G	D	/B	1	F	C	/G	B	A	/F	/E
$\chi_{39}^{(18)}$	1	/A	C	G	/E	-G	-B	/C	-/A	/G	D	-/B	-1	-F	-C	-/G	B	A	/F	-/E
$\chi_{39}^{(19)}$	1	1	/C	C	/B	C	/B	C	1	/C	B	B	1	C	/C	/C	/B	1	/C	/B
$\chi_{39}^{(20)}$	1	1	/C	C	/B	-C	-/B	C	-1	/C	B	-B	-1	-C	-/C	-/C	/B	1	/C	-/B
$\chi_{39}^{(21)}$	1	A	/C	/G	E	/G	/B	C	A	G	/D	B	1	/F	/C	G	/B	/A	F	E
$\chi_{39}^{(22)}$	1	A	/C	/G	E	-/G	-/B	C	-A	G	/D	-B	-1	-/F	-/C	-G	/B	/A	F	-E
$\chi_{39}^{(23)}$	1	/A	/C	/F	D	/F	/B	C	/A	F	/E	B	1	/G	/C	F	/B	A	G	D
$\chi_{39}^{(24)}$	1	/A	/C	/F	D	-/F	-/B	C	-/A	F	/E	-B	-1	-/G	-/C	-F	/B	A	G	-D
$\chi_{39}^{(25)}$	1	1	/B	B	C	B	C	B	1	/B	/C	/C	1	B	/B	/B	C	1	/B	C
$\chi_{39}^{(26)}$	1	1	/B	B	C	-B	-C	B	-1	/B	/C	-/C	-1	-B	-/B	-/B	C	1	/B	-C
$\chi_{39}^{(27)}$	1	A	/B	/E	/F	/E	C	B	A	E	G	/C	1	/D	/B	E	C	/A	D	/F
$\chi_{39}^{(28)}$	1	A	/B	/E	/F	-/E	-C	B	-A	E	G	-/C	-1	-/D	-/B	-E	C	/A	D	-/F
$\chi_{39}^{(29)}$	1	/A	/B	/D	/G	/D	C	B	/A	D	F	/C	1	/E	/B	D	C	A	E	/G
$\chi_{39}^{(30)}$	1	/A	/B	/D	/G	-/D	-C	B	-/A	D	F	-/C	-1	-/E	-/B	-D	C	A	E	-/G

$\chi_{39}^{(1)}$	1	1	1	1	1	1	1	1	1
$\chi_{39}^{(2)}$	1	1	-1	-1	-1	1	-1	-1	-1
$\chi_{39}^{(3)}$	1	A	A	A	/A	A	A	/A	1
$\chi_{39}^{(4)}$	1	A	-A	-A	-/A	A	-A	-/A	-1
$\chi_{39}^{(5)}$	1	/A	/A	/A	A	/A	/A	A	1
$\chi_{39}^{(6)}$	1	/A	-/A	-/A	-A	/A	-/A	-A	-1
$\chi_{39}^{(7)}$	C	/C	B	C	1	C	/C	C	/B
$\chi_{39}^{(8)}$	C	/C	-B	-C	-1	C	-/C	-C	-/B
$\chi_{39}^{(9)}$	C	F	/E	/G	/A	/G	F	/F	/B
$\chi_{39}^{(10)}$	C	F	-/E	-/G	-/A	/G	-F	-/F	-/B
$\chi_{39}^{(11)}$	C	G	/D	/F	A	/F	G	/G	/B
$\chi_{39}^{(12)}$	C	G	-/D	-/F	-A	/F	-G	-/G	-/B
$\chi_{39}^{(13)}$	/B	B	C	/B	1	/B	B	/B	/C
$\chi_{39}^{(14)}$	/B	B	-C	-/B	-1	/B	-B	-/B	-/C
$\chi_{39}^{(15)}$	/B	/E	/G	D	/A	D	/E	E	/C
$\chi_{39}^{(16)}$	/B	/E	-/G	-D	-/A	D	-/E	-E	-/C
$\chi_{39}^{(17)}$	/B	/D	/F	E	A	E	/D	D	/C
$\chi_{39}^{(18)}$	/B	/D	-/F	-E	-A	E	-/D	-D	-/C
$\chi_{39}^{(19)}$	B	/B	/C	B	1	B	/B	B	C
$\chi_{39}^{(20)}$	B	/B	-/C	-B	-1	B	-/B	-B	-C
$\chi_{39}^{(21)}$	B	D	F	/E	/A	/E	D	/D	C
$\chi_{39}^{(22)}$	B	D	-F	-/E	-/A	/E	-D	-/D	-C
$\chi_{39}^{(23)}$	B	E	G	/D	A	/D	E	/E	C
$\chi_{39}^{(24)}$	B	E	-G	-/D	-A	/D	-E	-/E	-C
$\chi_{39}^{(25)}$	/C	C	/B	/C	1	/C	C	/C	B
$\chi_{39}^{(26)}$	/C	C	-/B	-/C	-1	/C	-C	-/C	-B
$\chi_{39}^{(27)}$	/C	/G	D	F	/A	F	/G	G	B
$\chi_{39}^{(28)}$	/C	/G	-D	-F	-/A	F	-/G	-G	-B
$\chi_{39}^{(29)}$	/C	/F	E	G	A	G	/F	F	B
$\chi_{39}^{(30)}$	/C	/F	-E	-G	-A	G	-/F	-F	-B

where $A=E(3)=(-1+ER(-3))/2=b_3$; $B=E(5)^3$; $C=E(5)$; $D=E(15)^{11}$; $E=E(15)$; $F=E(15)^2$; $G=E(15)^7$.

The generators of $G^{s_{40}}$ are:

(1, 177, 239, 153, 157, 111, 4, 13, 38, 180, 52, 64) (2, 54, 252, 24, 166, 223, 259, 81, 178, 102, 214, 145) (3, 108, 117, 110, 207, 206, 248, 151, 225, 147, 9, 32) (5, 272, 91, 232, 255, 72, 216, 90, 124, 184, 172, 61) (6, 80, 67, 93, 94, 273, 143, 182, 77, 181, 268, 213) (7, 230, 231, 123, 240, 76, 209, 104, 57, 82, 128, 243) (8, 46, 222, 188, 109, 217, 266, 26, 162, 75, 201, 161) (10, 23, 220) (11, 247, 276, 65, 198, 192) (12, 254, 269, 261, 69, 40) (14, 190, 42, 165, 265, 185, 150, 205, 50, 21, 244, 242) (15, 235, 118, 228, 105, 98, 246, 133, 84, 49, 196, 256) (16, 112, 167, 267, 115, 168, 141, 224, 20, 142, 99, 204) (17, 152, 229, 203, 156, 116, 86, 186, 122, 149, 191, 227) (18, 125, 226, 262, 28, 39, 194, 96, 114, 215, 73, 135) (19, 44, 41, 208, 140, 103, 250, 66, 30, 221, 89, 45) (22, 129, 158, 270, 233, 189, 271, 43, 197, 264, 131, 88) (25, 87, 183, 29, 164, 119, 34, 176, 210, 138, 173, 83) (27, 200, 92, 71, 160, 263, 187, 258, 33, 134, 136, 219) (31, 85, 159, 74, 148, 253, 234, 106, 58, 37, 120, 169) (35, 78, 274, 130, 211, 62) (47, 132, 59, 212, 121, 257, 236, 95, 202, 275, 237, 249) (48, 163, 79, 51) (53, 139, 241, 144) (55, 126, 60, 195, 70, 199, 97, 238, 137, 56, 101, 127) (63, 260, 146) (68, 245, 155) (100, 193, 107) (113, 175, 170) (154, 171) (174, 218, 251, 179) , (1, 2, 8, 180, 102, 75, 4, 259, 266, 153, 24, 188) (3, 159, 136, 147, 169, 258, 248, 58, 160, 110, 253, 200) (5, 114, 123, 184, 39, 7, 216, 226,

82, 232, 135, 209) (6, 93, 143, 181) (9, 31, 33, 151, 37, 263, 207, 234, 92, 108, 74, 219) (10, 175, 260) (11, 269, 62, 65, 40, 274) (12, 130, 247, 261, 35, 198) (13, 81, 26, 157, 166, 109, 177, 54, 46, 52, 214, 201) (14, 132, 195, 21, 237, 55, 150, 95, 56, 165, 121, 97) (15, 66, 189, 49, 140, 158, 246, 44, 88, 228, 89, 197) (16, 173, 122, 142, 176, 116, 141, 164, 229, 267, 87, 227) (17, 112, 83, 149, 99, 210, 86, 224, 119, 203, 115, 183) (18, 104, 272, 215, 240, 172, 194, 230, 90, 262, 128, 255) (19, 131, 118, 221, 43, 256, 250, 233, 84, 208, 129, 98) (20, 34, 156, 168, 29, 152, 167, 25, 191, 204, 138, 186) (22, 105, 45, 264, 235, 30, 271, 196, 103, 270, 133, 41) (23, 170, 146) (27, 32, 85, 134, 225, 120, 187, 206, 106, 71, 117, 148) (28, 243, 72, 125, 57, 91, 73, 76, 61, 96, 231, 124) (38, 178, 162, 111, 223, 217, 239, 252, 222, 64, 145, 161) (42, 212, 199, 242, 47, 60, 50, 275, 127, 185, 236, 137) (48, 241, 179, 163, 144, 174, 79, 53, 218, 51, 139, 251) (59, 70, 244, 249, 126, 205, 202, 101, 265, 257, 238, 190) (63, 220, 113) (67, 273, 77, 213) (68, 245, 155) (69, 78, 192, 254, 211, 276) (80, 94, 182, 268) (100, 107, 193) (154, 171).

The representatives of conjugacy classes of $G^{s_{40}}$ are:

() , (1, 2, 8, 180, 102, 75, 4, 259, 266, 153, 24, 188) (3, 159, 136, 147, 169, 258, 248, 58, 160, 110, 253, 200) (5, 114, 123, 184, 39, 7, 216, 226, 82, 232, 135, 209) (6, 93, 143, 181) (9, 31, 33, 151, 37, 263, 207, 234, 92, 108, 74, 219) (10, 175, 260) (11, 269, 62, 65, 40, 274) (12, 130, 247, 261, 35, 198) (13, 81, 26, 157, 166, 109, 177, 54, 46, 52, 214, 201) (14, 132, 195, 21, 237, 55, 150, 95, 56, 165, 121, 97) (15, 66, 189, 49, 140, 158, 246, 44, 88, 228, 89, 197) (16, 173, 122, 142, 176, 116, 141, 164, 229, 267, 87, 227) (17, 112, 83, 149, 99, 210, 86, 224, 119, 203, 115, 183) (18, 104, 272, 215, 240, 172, 194, 230, 90, 262, 128, 255) (19, 131, 118, 221, 43, 256, 250, 233, 84, 208, 129, 98) (20, 34, 156, 168, 29, 152, 167, 25, 191, 204, 138, 186) (22, 105, 45, 264, 235, 30, 271, 196, 103, 270, 133, 41) (23, 170, 146) (27, 32, 85, 134, 225, 120, 187, 206, 106, 71, 117, 148) (28, 243, 72, 125, 57, 91, 73, 76, 61, 96, 231, 124) ([...]) , (1, 4) (2, 259) (3, 248) (5, 216) (6, 143) (7, 209) (8, 266) (9, 207) (13, 177) (14, 150) (15, 246) (16, 141) (17, 86) (18, 194) (19, 250) (20, 167) (21, 165) (22, 271) (24, 102) (25, 34) (26, 46) (27, 187) (28, 73) (29, 138) (30, 41) (31, 234) (32, 206) (33, 92) (37, 74) (38, 239) (39, 135) (42, 50) (43, 129) (44, 66) (45, 103) (47, 236) (48, 79) (49, 228) (51, 163) (52, 157) (53, 241) (54, 81) (55, 97) (56, 195) (57, 231) (58, 159) (59, 202) (60, 137) (61, 72) (64, 111) (67, 77) (70, 101) (71, 134) (75, 188) (76, 243) (80, 182) (82, 123) (83, 119) (84, 118) (85, 106) (87, 176) (88, 189) (89, 140) (90, 272) (91, 124) (93, 181) (94, 268) (95, 132) (96, 125) (98, 256) (99, 115) (104, 230) (105, 196) (108, 151) (109, 201) (110, 147) (112, 224) (114, 226) (116, 227) (117, 225) (120, 148) (121, 237) (122, 229) (126, 238) (127, 199) (128, 240) (131, 233) (133, 235) (136, 160) (139, 144) (142, 267) (145, 223) (149, 203) (152, 186) (153, 180) (156, 191) (158, 197) (161, 217) (162, 222) (164, 173) ([...]) , (1, 8, 102, 4, 266, 24) (2, 180, 75, 259, 153, 188) (3, 136, 169, 248, 160, 253) (5, 123, 39, 216, 82, 135) (6, 143) (7, 226, 232, 209, 114, 184) (9, 33, 37, 207, 92, 74) (10, 260, 175) (11, 62, 40) (12, 247, 35) (13, 26, 166, 177, 46, 214) (14, 195, 237, 150, 56, 121) (15, 189, 140, 246, 88, 89) (16, 122, 176, 141, 229, 87) (17, 83, 99, 86, 119, 115) (18, 272, 240, 194, 90, 128) (19, 118, 43, 250, 84, 129) (20, 156, 29, 167, 191, 138) (21, 55, 95, 165, 97, 132) (22, 45, 235, 271, 103, 133) (23, 146, 170) (25, 204, 186, 34, 168, 152) (27, 85, 225, 187, 106, 117) (28, 72, 57, 73, 61, 231) (30, 196, 270, 41, 105, 264) (31, 151, 263, 234, 108, 219) (32, 134, 120, 206, 71, 148) (38, 162, 223, 239, 222, 145) (42, 199, 47, 50, 127, 236) (44, 228, 197, 66, 49, 158) (48, 179, 144, 79, 218, 139) (51, 251, 241, 163, 174, 53) (52, 201, 81, 157, 109, 54) (58, 110, 200, 159, 147, 258) (59, 244, 126, 202, 265, 238) (60, 275, 185, 137, 212, 242) ([...]) , (1, 13, 239, 180, 157, 64, 4, 177, 38, 153, 52, 111) (2, 81, 252, 102, 166, 145, 259, 54, 178, 24, 214, 223) (3, 151, 117, 147, 207, 32, 248, 108, 225, 110, 9, 206) (5, 90, 91, 184, 255, 61, 216, 272, 124, 232, 172, 72) (6, 182, 67, 181, 94, 213, 143, 80, 77, 93, 268, 273) (7, 104, 231, 82, 240, 243, 209, 230, 57, 123, 128, 76) (8, 26, 222, 75, 109, 161, 266, 46, 162, 188, 201, 217) (10, 23, 220) (11, 247, 276, 65, 198, 192) (12, 254, 269, 261, 69, 40) (14, 205, 42, 21, 265, 242, 150, 190, 50, 165, 244, 185) (15, 133, 118, 49, 105, 256, 246, 235, 84, 228, 196, 98) (16, 224, 167, 142, 115, 204, 141, 112, 20, 267, 99, 168) (17, 186, 229, 149, 156, 227, 86, 152, 122, 203, 191, 116) (18, 96, 226, 215, 28, 135, 194, 125, 114, 262, 73, 39) (19, 66, 41, 221, 140, 45, 250, 44, 30, 208, 89, 103) (22, 43, 158, 264, 233, 88, 271, 129, 197, 270, 131, 189) (25, 176, 183, 138, 164, 83, 34, 87, 210, 29, 173, 119) (27, 258, 92, 134, 160, 219, 187, 200, 33, 71, 136, 263) ([...]) , (1, 24, 266, 4, 102, 8)

(2, 188, 153, 259, 75, 180) (3, 253, 160, 248, 169, 136) (5, 135, 82, 216, 39, 123) (6, 143) (7, 184, 114, 209,
 232, 226) (9, 74, 92, 207, 37, 33) (10, 175, 260) (11, 40, 62) (12, 35, 247) (13, 214, 46, 177, 166, 26) (14, 121,
 56, 150, 237, 195) (15, 89, 88, 246, 140, 189) (16, 87, 229, 141, 176, 122) (17, 115, 119, 86, 99, 83) (18, 128,
 90, 194, 240, 272) (19, 129, 84, 250, 43, 118) (20, 138, 191, 167, 29, 156) (21, 132, 97, 165, 95, 55) (22, 133,
 103, 271, 235, 45) (23, 170, 146) (25, 152, 168, 34, 186, 204) (27, 117, 106, 187, 225, 85) (28, 231, 61, 73, 57,
 72) (30, 264, 105, 41, 270, 196) (31, 219, 108, 234, 263, 151) (32, 148, 71, 206, 120, 134) (38, 145, 222, 239,
 223, 162) (42, 236, 127, 50, 47, 199) (44, 158, 49, 66, 197, 228) (48, 139, 218, 79, 144, 179) (51, 53, 174, 163,
 241, 251) (52, 54, 109, 157, 81, 201) (58, 258, 147, 159, 200, 110) (59, 238, 265, 202, 126, 244) (60, 242, 212,
 137, 185, 275) ([...]) , (1, 26, 145, 153, 201, 252, 4, 46, 223, 180, 109, 178) (2, 157, 161, 24, 13, 222, 259,
 52, 217, 102, 177, 162) (3, 263, 85, 110, 33, 148, 248, 219, 106, 147, 92, 120) (5, 128, 96, 232, 230, 73, 216,
 240, 125, 184, 104, 28) (6, 80, 67, 93, 94, 273, 143, 182, 77, 181, 268, 213) (7, 215, 72, 123, 18, 124, 209, 262,
 61, 82, 194, 91) (8, 166, 38, 188, 81, 64, 266, 214, 239, 75, 54, 111) (9, 71, 169, 108, 187, 159, 207, 134, 253,
 151, 27, 58) (10, 146, 113) (11, 35, 254, 65, 130, 69) (12, 276, 274, 261, 192, 62) (14, 101, 47, 165, 126, 212,
 150, 70, 236, 21, 238, 275) (15, 22, 250, 228, 270, 221, 246, 271, 19, 49, 264, 208) (16, 203, 138, 267, 86, 25,
 141, 149, 29, 142, 17, 34) (20, 227, 119, 204, 229, 210, 167, 116, 83, 168, 122, 183) (23, 63, 175) (30, 98, 189,
 45, 84, 197, 41, 256, 88, 103, 118, 158) (31, 117, 258, 74, 206, 136, 234, 225, 200, 37, 32, 160) (39, 272, 243,
 114, 255, 231, 135, 90, 76, 226, 172, 57) (40, 247, 78, 269, 198, 211) ([...]) , (1, 38, 157) (2, 178, 166) (3,
 225, 207) (4, 239, 52) (5, 124, 255) (6, 77, 94) (7, 57, 240) (8, 162, 109) (9, 248, 117) (10, 220, 23) (11, 276,
 198) (12, 269, 69) (13, 153, 64) (14, 50, 265) (15, 84, 105) (16, 20, 115) (17, 122, 156) (18, 114, 28) (19, 30,
 140) (21, 185, 190) (22, 197, 233) (24, 145, 81) (25, 210, 164) (26, 188, 161) (27, 33, 160) (29, 83, 176) (31,
 58, 148) (32, 151, 110) (34, 183, 173) (35, 274, 211) (37, 253, 85) (39, 125, 215) (40, 254, 261) (41, 89, 250)
 (42, 244, 150) (43, 270, 88) (44, 221, 103) (45, 66, 208) (46, 75, 217) (47, 202, 121) (49, 98, 235) (54, 102,
 223) (55, 137, 70) (56, 199, 126) (59, 237, 236) (60, 101, 97) (61, 90, 232) (62, 78, 130) (63, 146, 260) (65,
 192, 247) (67, 268, 143) (68, 155, 245) (71, 219, 258) (72, 272, 184) (73, 194, 226) (74, 169, 106) (76, 230,
 82) (80, 181, 273) (86, 229, 191) (87, 138, 119) (91, 172, 216) (92, 136, 187) (93, 213, 182) (95, 212, 249)
 (96, 262, 135) (99, 141, 167) (100, 107, 193) ([...]) , (1, 46, 145, 180, 201, 178, 4, 26, 223, 153, 109, 252)
 (2, 52, 161, 102, 13, 162, 259, 157, 217, 24, 177, 222) (3, 219, 85, 147, 33, 120, 248, 263, 106, 110, 92, 148)
 (5, 240, 96, 184, 230, 28, 216, 128, 125, 232, 104, 73) (6, 182, 67, 181, 94, 213, 143, 80, 77, 93, 268, 273) (7,
 262, 72, 82, 18, 91, 209, 215, 61, 123, 194, 124) (8, 214, 38, 75, 81, 111, 266, 166, 239, 188, 54, 64) (9, 134,
 169, 151, 187, 58, 207, 71, 253, 108, 27, 159) (10, 146, 113) (11, 35, 254, 65, 130, 69) (12, 276, 274, 261, 192,
 62) (14, 70, 47, 21, 126, 275, 150, 101, 236, 165, 238, 212) (15, 271, 250, 49, 270, 208, 246, 22, 19, 228, 264,
 221) (16, 149, 138, 142, 86, 34, 141, 203, 29, 267, 17, 25) (20, 116, 119, 168, 229, 183, 167, 227, 83, 204, 122,
 210) (23, 63, 175) (30, 256, 189, 103, 84, 158, 41, 98, 88, 45, 118, 197) (31, 225, 258, 37, 206, 160, 234, 117,
 200, 74, 32, 136) (39, 90, 243, 226, 255, 57, 135, 272, 76, 114, 172, 231) (40, 247, 78, 269, 198, 211) ([...])
) , (1, 52, 38, 4, 157, 239) (2, 214, 178, 259, 166, 252) (3, 9, 225, 248, 207, 117) (5, 172, 124, 216, 255, 91)
 (6, 268, 77, 143, 94, 67) (7, 128, 57, 209, 240, 231) (8, 201, 162, 266, 109, 222) (10, 23, 220) (11, 198, 276)
 (12, 69, 269) (13, 111, 153, 177, 64, 180) (14, 244, 50, 150, 265, 42) (15, 196, 84, 246, 105, 118) (16, 99, 20,
 141, 115, 167) (17, 191, 122, 86, 156, 229) (18, 73, 114, 194, 28, 226) (19, 89, 30, 250, 140, 41) (21, 205, 185,
 165, 190, 242) (22, 131, 197, 271, 233, 158) (24, 54, 145, 102, 81, 223) (25, 173, 210, 34, 164, 183) (26, 217,
 188, 46, 161, 75) (27, 136, 33, 187, 160, 92) (29, 87, 83, 138, 176, 119) (31, 120, 58, 234, 148, 159) (32, 147,
 151, 206, 110, 108) (35, 211, 274) (37, 106, 253, 74, 85, 169) (39, 262, 125, 135, 215, 96) (40, 261, 254) (43,
 189, 270, 129, 88, 264) (44, 45, 221, 66, 103, 208) (47, 237, 202, 236, 121, 59) (48, 79) (49, 133, 98, 228, 235,
 256) (51, 163) (53, 241) (55, 101, 137, 97, 70, 60) ([...]) , (1, 54, 222) (2, 46, 64) (3, 74, 27) (4, 81, 162) (5,
 215, 76) (6, 94, 77) (7, 90, 28) (8, 52, 145) (9, 85, 136) (10, 170, 63) (11, 261, 78) (12, 211, 65) (13, 178, 75)
 (14, 59, 199) (15, 30, 43) (16, 83, 191) (17, 167, 87) (18, 57, 232) (19, 88, 105) (20, 176, 86) (21, 249, 60)
 (22, 98, 44) (23, 113, 260) (24, 109, 239) (25, 227, 112) (26, 111, 259) (29, 229, 115) (31, 134, 147) (32, 159,
 219) (33, 225, 169) (34, 116, 224) (35, 192, 269) (37, 187, 248) (38, 102, 201) (39, 230, 124) (40, 130, 276)

(41, 129, 246) (42, 121, 238) (45, 131, 228) (47, 195, 244) (48, 144, 218) (49, 103, 233) (50, 237, 126) (51, 241, 174) (53, 251, 163) (55, 205, 275) (56, 265, 236) (58, 263, 206) (61, 114, 240) (62, 198, 254) (66, 271, 256) (67, 143, 268) (68, 155, 245) (69, 274, 247) (70, 242, 132) (71, 110, 234) (72, 226, 128) (73, 209, 272) (79, 139, 179) (80, 273, 181) (82, 255, 125) (84, 140, 270) (89, 264, 118) (91, 135, 104) (92, 117, 253) (93, 182, 213) (95, 101, 185) ([...]) , (1, 64, 52, 180, 38, 13, 4, 111, 157, 153, 239, 177) (2, 145, 214, 102, 178, 81, 259, 223, 166, 24, 252, 54) (3, 32, 9, 147, 225, 151, 248, 206, 207, 110, 117, 108) (5, 61, 172, 184, 124, 90, 216, 72, 255, 232, 91, 272) (6, 213, 268, 181, 77, 182, 143, 273, 94, 93, 67, 80) (7, 243, 128, 82, 57, 104, 209, 76, 240, 123, 231, 230) (8, 161, 201, 75, 162, 26, 266, 217, 109, 188, 222, 46) (10, 220, 23) (11, 192, 198, 65, 276, 247) (12, 40, 69, 261, 269, 254) (14, 242, 244, 21, 50, 205, 150, 185, 265, 165, 42, 190) (15, 256, 196, 49, 84, 133, 246, 98, 105, 228, 118, 235) (16, 204, 99, 142, 20, 224, 141, 168, 115, 267, 167, 112) (17, 227, 191, 149, 122, 186, 86, 116, 156, 203, 229, 152) (18, 135, 73, 215, 114, 96, 194, 39, 28, 262, 226, 125) (19, 45, 89, 221, 30, 66, 250, 103, 140, 208, 41, 44) (22, 88, 131, 264, 197, 43, 271, 189, 233, 270, 158, 129) (25, 83, 173, 138, 210, 176, 34, 119, 164, 29, 183, 87) (27, 219, 136, 134, 33, 258, 187, 263, 160, 71, 92, 200) ([...]) , (1, 75, 24, 180, 266, 2, 4, 188, 102, 153, 8, 259) (3, 258, 253, 147, 160, 159, 248, 200, 169, 110, 136, 58) (5, 7, 135, 184, 82, 114, 216, 209, 39, 232, 123, 226) (6, 93, 143, 181) (9, 263, 74, 151, 92, 31, 207, 219, 37, 108, 33, 234) (10, 260, 175) (11, 274, 40, 65, 62, 269) (12, 198, 35, 261, 247, 130) (13, 109, 214, 157, 46, 81, 177, 201, 166, 52, 26, 54) (14, 55, 121, 21, 56, 132, 150, 97, 237, 165, 195, 95) (15, 158, 89, 49, 88, 66, 246, 197, 140, 228, 189, 44) (16, 116, 87, 142, 229, 173, 141, 227, 176, 267, 122, 164) (17, 210, 115, 149, 119, 112, 86, 183, 99, 203, 83, 224) (18, 172, 128, 215, 90, 104, 194, 255, 240, 262, 272, 230) (19, 256, 129, 221, 84, 131, 250, 98, 43, 208, 118, 233) (20, 152, 138, 168, 191, 34, 167, 186, 29, 204, 156, 25) (22, 30, 133, 264, 103, 105, 271, 41, 235, 270, 45, 196) (23, 146, 170) (27, 120, 117, 134, 106, 32, 187, 148, 225, 71, 85, 206) (28, 91, 231, 125, 61, 243, 73, 124, 57, 96, 72, 76) ([...]) , (1, 81, 222, 4, 54, 162) (2, 26, 64, 259, 46, 111) (3, 37, 27, 248, 74, 187) (5, 262, 76, 216, 215, 243) (6, 268, 77, 143, 94, 67) (7, 272, 28, 209, 90, 73) (8, 157, 145, 266, 52, 223) (9, 106, 136, 207, 85, 160) (10, 170, 63) (11, 261, 78) (12, 211, 65) (13, 252, 75, 177, 178, 188) (14, 202, 199, 150, 59, 127) (15, 41, 43, 246, 30, 129) (16, 119, 191, 141, 83, 156) (17, 20, 87, 86, 167, 176) (18, 231, 232, 194, 57, 184) (19, 189, 105, 250, 88, 196) (21, 257, 60, 165, 249, 137) (22, 256, 44, 271, 98, 66) (23, 113, 260) (24, 201, 239, 102, 109, 38) (25, 116, 112, 34, 227, 224) (29, 122, 115, 138, 229, 99) (31, 71, 147, 234, 134, 110) (32, 58, 219, 206, 159, 263) (33, 117, 169, 92, 225, 253) (35, 192, 269) (39, 104, 124, 135, 230, 91) (40, 130, 276) (42, 237, 238, 50, 121, 126) (45, 233, 228, 103, 131, 49) (47, 56, 244, 236, 195, 265) (48, 139, 218, 79, 144, 179) (51, 53, 174, 163, 241, 251) (55, 190, 275, 97, 205, 212) (61, 226, 240, 72, 114, 128) ([...]) , (1, 102, 266) (2, 75, 153) (3, 169, 160) (4, 24, 8) (5, 39, 82) (7, 232, 114) (9, 37, 92) (10, 175, 260) (11, 40, 62) (12, 35, 247) (13, 166, 46) (14, 237, 56) (15, 140, 88) (16, 176, 229) (17, 99, 119) (18, 240, 90) (19, 43, 84) (20, 29, 191) (21, 95, 97) (22, 235, 103) (23, 170, 146) (25, 186, 168) (26, 177, 214) (27, 225, 106) (28, 57, 61) (30, 270, 105) (31, 263, 108) (32, 120, 71) (33, 207, 74) (34, 152, 204) (38, 223, 222) (41, 264, 196) (42, 47, 127) (44, 197, 49) (45, 271, 133) (48, 144, 218) (50, 236, 199) (51, 241, 174) (52, 81, 109) (53, 251, 163) (54, 201, 157) (55, 165, 132) (58, 200, 147) (59, 126, 265) (60, 185, 212) (63, 220, 113) (64, 178, 217) (65, 269, 274) (66, 158, 228) (68, 245, 155) (69, 211, 192) (70, 205, 257) (72, 73, 231) (76, 124, 125) (78, 276, 254) (79, 139, 179) (83, 86, 115) (85, 187, 117) (87, 122, 141) (89, 189, 246) (91, 96, 243) (98, 221, 233) (100, 107, 193) (101, 190, 249) (104, 172, 262) (110, 159, 258) (111, 252, 161) ([...]) , (1, 109, 223, 4, 201, 145) (2, 177, 217, 259, 13, 161) (3, 92, 106, 248, 33, 85) (5, 104, 125, 216, 230, 96) (6, 268, 77, 143, 94, 67) (7, 194, 61, 209, 18, 72) (8, 54, 239, 266, 81, 38) (9, 27, 253, 207, 187, 169) (10, 146, 113) (11, 130, 254) (12, 192, 274) (14, 238, 236, 150, 126, 47) (15, 264, 19, 246, 270, 250) (16, 17, 29, 141, 86, 138) (20, 122, 83, 167, 229, 119) (21, 70, 212, 165, 101, 275) (22, 208, 49, 271, 221, 228) (23, 63, 175) (24, 157, 162, 102, 52, 222) (25, 267, 203, 34, 142, 149) (26, 178, 180, 46, 252, 153) (28, 184, 240, 73, 232, 128) (30, 118, 88, 41, 84, 189) (31, 32, 200, 234, 206, 258) (35, 69, 65) (37, 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 (3, 117, 207, 248, 225, 9) (5, 91, 255, 216, 124, 172) (6, 67, 94, 143, 77, 268) (7, 231, 240, 209, 57, 128) (8,
 222, 109, 266, 162, 201) (10, 220, 23) (11, 276, 198) (12, 269, 69) (13, 180, 64, 177, 153, 111) (14, 42, 265,

150, 50, 244) (15, 118, 105, 246, 84, 196) (16, 167, 115, 141, 20, 99) (17, 229, 156, 86, 122, 191) (18, 226, 28, 194, 114, 73) (19, 41, 140, 250, 30, 89) (21, 242, 190, 165, 185, 205) (22, 158, 233, 271, 197, 131) (24, 223, 81, 102, 145, 54) (25, 183, 164, 34, 210, 173) (26, 75, 161, 46, 188, 217) (27, 92, 160, 187, 33, 136) (29, 119, 176, 138, 83, 87) (31, 159, 148, 234, 58, 120) (32, 108, 110, 206, 151, 147) (35, 274, 211) (37, 169, 85, 74, 253, 106) (39, 96, 215, 135, 125, 262) (40, 254, 261) (43, 264, 88, 129, 270, 189) (44, 208, 103, 66, 221, 45) (47, 59, 121, 236, 202, 237) (48, 79) (49, 256, 235, 228, 98, 133) (51, 163) (53, 241) (55, 60, 70, 97, 137, 101) ([...]) , (1, 252, 109, 153, 223, 26, 4, 178, 201, 180, 145, 46) (2, 222, 177, 24, 217, 157, 259, 162, 13, 102, 161, 52) (3, 148, 92, 110, 106, 263, 248, 120, 33, 147, 85, 219) (5, 73, 104, 232, 125, 128, 216, 28, 230, 184, 96, 240) (6, 273, 268, 93, 77, 80, 143, 213, 94, 181, 67, 182) (7, 124, 194, 123, 61, 215, 209, 91, 18, 82, 72, 262) (8, 64, 54, 188, 239, 166, 266, 111, 81, 75, 38, 214) (9, 159, 27, 108, 253, 71, 207, 58, 187, 151, 169, 134) (10, 113, 146) (11, 69, 130, 65, 254, 35) (12, 62, 192, 261, 274, 276) (14, 212, 238, 165, 236, 101, 150, 275, 126, 21, 47, 70) (15, 221, 264, 228, 19, 22, 246, 208, 270, 49, 250, 271) (16, 25, 17, 267, 29, 203, 141, 34, 86, 142, 138, 149) (20, 210, 122, 204, 83, 227, 167, 183, 229, 168, 119, 116) (23, 175, 63) (30, 197, 118, 45, 88, 98, 41, 158, 84, 103, 189, 256) (31, 136, 32, 74, 200, 117, 234, 160, 206, 37, 258, 225) (39, 231, 172, 114, 76, 272, 135, 57, 255, 226, 243, 90) (40, 211, 198, 269, 78, 247) ([...]) , (1, 259, 8, 153, 102, 188, 4, 2, 266, 180, 24, 75) (3, 58, 136, 110, 169, 200, 248, 159, 160, 147, 253, 258) (5, 226, 123, 232, 39, 209, 216, 114, 82, 184, 135, 7) (6, 181, 143, 93) (9, 234, 33, 108, 37, 219, 207, 31, 92, 151, 74, 263) (10, 175, 260) (11, 269, 62, 65, 40, 274) (12, 130, 247, 261, 35, 198) (13, 54, 26, 52, 166, 201, 177, 81, 46, 157, 214, 109) (14, 95, 195, 165, 237, 97, 150, 132, 56, 21, 121, 55) (15, 44, 189, 228, 140, 197, 246, 66, 88, 49, 89, 158) (16, 164, 122, 267, 176, 227, 141, 173, 229, 142, 87, 116) (17, 224, 83, 203, 99, 183, 86, 112, 119, 149, 115, 210) (18, 230, 272, 262, 240, 255, 194, 104, 90, 215, 128, 172) (19, 233, 118, 208, 43, 98, 250, 131, 84, 221, 129, 256) (20, 25, 156, 204, 29, 186, 167, 34, 191, 168, 138, 152) (22, 196, 45, 270, 235, 41, 271, 105, 103, 264, 133, 30) (23, 170, 146) (27, 206, 85, 71, 225, 148, 187, 32, 106, 134, 117, 120) (28, 76, 72, 96, 57, 124, 73, 243, 61, 125, 231, 91) ([...]) , (1, 266, 102) (2, 153, 75) (3, 160, 169) (4, 8, 24) (5, 82, 39) (7, 114, 232) (9, 92, 37) (10, 260, 175) (11, 62, 40) (12, 247, 35) (13, 46, 166) (14, 56, 237) (15, 88, 140) (16, 229, 176) (17, 119, 99) (18, 90, 240) (19, 84, 43) (20, 191, 29) (21, 97, 95) (22, 103, 235) (23, 146, 170) (25, 168, 186) (26, 214, 177) (27, 106, 225) (28, 61, 57) (30, 105, 270) (31, 108, 263) (32, 71, 120) (33, 74, 207) (34, 204, 152) (38, 222, 223) (41, 196, 264) (42, 127, 47) (44, 49, 197) (45, 133, 271) (48, 218, 144) (50, 199, 236) (51, 174, 241) (52, 109, 81) (53, 163, 251) (54, 157, 201) (55, 132, 165) (58, 147, 200) (59, 265, 126) (60, 212, 185) (63, 113, 220) (64, 217, 178) (65, 274, 269) (66, 228, 158) (68, 155, 245) (69, 192, 211) (70, 257, 205) (72, 231, 73) (76, 125, 124) (78, 254, 276) (79, 179, 139) (83, 115, 86) (85, 117, 187) (87, 141, 122) (89, 246, 189) (91, 243, 96) (98, 233, 221) (100, 193, 107) (101, 249, 190) (104, 262, 172) (110, 258, 159) (111, 161, 252) ([...]).

The character table of $G^{s_{40}}$:

	10										20									
$\chi_{40}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{40}^{(2)}$	1	-1	1	1	-1	1	-1	1	-1	1	1	-1	-1	1	1	1	-1	1	-1	1
$\chi_{40}^{(3)}$	1	-1	1	1	A	1	A	-/A	A	-A	-A	/A	-1	-A	1	-A	/A	-/A	-1	-A
$\chi_{40}^{(4)}$	1	-1	1	1	/A	1	/A	-A	/A	-/A	-/A	A	-1	-/A	1	-/A	A	-A	-1	-/A
$\chi_{40}^{(5)}$	1	1	1	1	-/A	1	-/A	-A	-/A	-/A	-/A	-A	1	-/A	1	-/A	-A	-A	1	-/A
$\chi_{40}^{(6)}$	1	1	1	1	-A	1	-A	-/A	-A	-A	-A	-/A	1	-A	1	-A	-/A	-/A	1	-A
$\chi_{40}^{(7)}$	1	A	1	-/A	-1	-A	/A	1	/A	1	-A	-1	/A	-A	-A	-/A	-1	-A	-1	1
$\chi_{40}^{(8)}$	1	/A	1	-A	-1	-/A	A	1	A	1	-/A	-1	A	-/A	-/A	-A	-1	-/A	-1	1
$\chi_{40}^{(9)}$	1	A	1	-/A	A	-A	-1	-/A	-1	-A	-/A	/A	/A	-/A	-A	1	/A	1	-1	-A
$\chi_{40}^{(10)}$	1	/A	1	-A	/A	-/A	-1	-A	-1	-/A	-A	A	A	-A	-/A	1	A	1	-1	-/A
$\chi_{40}^{(11)}$	1	A	1	-/A	/A	-A	A	-A	A	-/A	1	A	/A	1	-A	-A	A	-/A	-1	-/A
$\chi_{40}^{(12)}$	1	/A	1	-A	A	-/A	/A	-/A	/A	-A	1	/A	A	1	-/A	-/A	/A	-A	-1	-A
$\chi_{40}^{(13)}$	1	-/A	1	-A	1	-/A	-A	1	-A	1	-/A	1	-A	-/A	-/A	-A	1	-/A	1	1
$\chi_{40}^{(14)}$	1	-A	1	-/A	1	-A	-/A	1	-/A	1	-A	1	-/A	-A	-A	-/A	1	-A	1	1
$\chi_{40}^{(15)}$	1	-/A	1	-A	-/A	-/A	1	-A	1	-/A	-A	-A	-A	-A	-/A	1	-A	1	1	-/A
$\chi_{40}^{(16)}$	1	-A	1	-/A	-A	-A	1	-/A	1	-A	-/A	-/A	-/A	-/A	-A	1	-/A	1	1	-A
$\chi_{40}^{(17)}$	1	-/A	1	-A	-A	-/A	-/A	-/A	-/A	-A	1	-/A	-A	1	-/A	-/A	-/A	-A	1	-A
$\chi_{40}^{(18)}$	1	-A	1	-/A	-/A	-A	-A	-A	-/A	1	-A	-/A	1	-A	-A	-A	-/A	1	-/A	-A
$\chi_{40}^{(19)}$	1	B	-1	-1	B	-1	-B	1	B	-1	1	B	B	-1	1	-1	-B	-1	B	1
$\chi_{40}^{(20)}$	1	-B	-1	-1	-B	-1	B	1	-B	-1	1	-B	-B	-1	1	-1	B	-1	-B	1
$\chi_{40}^{(21)}$	1	B	-1	-1	C	-1	-C	-/A	C	A	-A	-/C	B	A	1	A	/C	/A	B	-A
$\chi_{40}^{(22)}$	1	B	-1	-1	-/C	-1	/C	-A	-/C	/A	-/A	C	B	/A	1	/A	-C	A	B	-/A
$\chi_{40}^{(23)}$	1	-B	-1	-1	/C	-1	-/C	-A	/C	/A	-/A	-C	-B	/A	1	/A	C	A	-B	-/A
$\chi_{40}^{(24)}$	1	-B	-1	-1	-C	-1	C	-/A	-C	A	-A	/C	-B	A	1	A	-/C	/A	-B	-A
$\chi_{40}^{(25)}$	1	C	-1	/A	B	A	/C	1	-/C	-1	-A	B	-/C	A	-A	/A	-B	A	B	1
$\chi_{40}^{(26)}$	1	-/C	-1	A	B	/A	-C	1	C	-1	-/A	B	C	/A	-/A	A	-B	/A	B	1
$\chi_{40}^{(27)}$	1	/C	-1	A	-B	/A	C	1	-C	-1	-/A	-B	-C	/A	-/A	A	B	/A	-B	1
$\chi_{40}^{(28)}$	1	-C	-1	/A	-B	A	-/C	1	/C	-1	-A	-B	/C	A	-A	/A	B	A	-B	1
$\chi_{40}^{(29)}$	1	C	-1	/A	C	A	-B	-/A	B	A	-/A	-/C	-/C	/A	-A	-1	/C	-1	B	-A
$\chi_{40}^{(30)}$	1	-/C	-1	A	-/C	/A	-B	-A	B	/A	-A	C	C	A	-/A	-1	-C	-1	B	-/A
$\chi_{40}^{(31)}$	1	/C	-1	A	/C	/A	B	-A	-B	/A	-A	-C	-C	A	-/A	-1	C	-1	-B	-/A
$\chi_{40}^{(32)}$	1	-C	-1	/A	-C	A	B	-/A	-B	A	-/A	/C	/C	/A	-A	-1	-/C	-1	-B	-A
$\chi_{40}^{(33)}$	1	C	-1	/A	-/C	A	-C	-A	C	/A	1	C	-/C	-1	-A	A	-C	/A	B	-/A
$\chi_{40}^{(34)}$	1	-/C	-1	A	C	/A	/C	-/A	-/C	A	1	-/C	C	-1	-/A	/A	/C	A	B	-A
$\chi_{40}^{(35)}$	1	/C	-1	A	-C	/A	-/C	-/A	/C	A	1	/C	-C	-1	-/A	/A	-/C	A	-B	-A
$\chi_{40}^{(36)}$	1	-C	-1	/A	/C	A	C	-A	-C	/A	1	-C	/C	-1	-A	A	C	/A	-B	-/A

	10															
$\chi_{40}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{40}^{(2)}$	-1	1	-1	-1	-1	-1	-1	1	-1	-1	1	1	1	-1	-1	1
$\chi_{40}^{(3)}$	/A	-/A	A	A	/A	-1	-1	-A	A	/A	-/A	-/A	-/A	/A	-1	1
$\chi_{40}^{(4)}$	A	-A	/A	/A	A	-1	-1	-/A	/A	A	-A	-A	-A	A	-1	1
$\chi_{40}^{(5)}$	-A	-A	-/A	-/A	-A	1	1	-/A	-/A	-A	-A	-A	-A	-A	1	1
$\chi_{40}^{(6)}$	-/A	-/A	-A	-A	-/A	1	1	-A	-A	-/A	-/A	-/A	-/A	-/A	1	1
$\chi_{40}^{(7)}$	/A	-/A	A	-1	A	-1	/A	-/A	A	/A	-/A	-A	1	A	A	-/A
$\chi_{40}^{(8)}$	A	-A	/A	-1	/A	-1	A	-A	/A	A	-A	-/A	1	/A	/A	-A
$\chi_{40}^{(9)}$	A	-A	/A	A	-1	-1	/A	1	/A	A	-A	1	-/A	-1	A	-/A
$\chi_{40}^{(10)}$	/A	-/A	A	/A	-1	-1	A	1	A	/A	-/A	1	-A	-1	/A	-A
$\chi_{40}^{(11)}$	-1	1	-1	/A	/A	-1	/A	-A	-1	-1	1	-/A	-A	/A	A	-/A
$\chi_{40}^{(12)}$	-1	1	-1	A	A	-1	A	-/A	-1	-1	1	-A	-/A	A	/A	-A
$\chi_{40}^{(13)}$	-A	-A	-/A	1	-/A	1	-A	-A	-/A	-A	-A	-/A	1	-/A	-/A	-A
$\chi_{40}^{(14)}$	-/A	-/A	-A	1	-A	1	-/A	-/A	-A	-/A	-/A	-A	1	-A	-A	-/A
$\chi_{40}^{(15)}$	-/A	-/A	-A	-/A	1	1	-A	1	-A	-/A	-/A	1	-A	1	-/A	-A
$\chi_{40}^{(16)}$	-A	-A	-/A	-A	1	1	-/A	1	-/A	-A	-A	1	-/A	1	-A	-/A
$\chi_{40}^{(17)}$	1	1	1	-A	-A	1	-A	-/A	1	1	1	-A	-/A	-A	-/A	-A
$\chi_{40}^{(18)}$	1	1	1	-/A	-/A	1	-/A	-A	1	1	1	-/A	-A	-/A	-A	-/A
$\chi_{40}^{(19)}$	-B	-1	B	-B	B	-B	-B	1	-B	B	1	1	-1	-B	-B	1
$\chi_{40}^{(20)}$	B	-1	-B	B	-B	B	B	1	B	-B	1	1	-1	B	B	1
$\chi_{40}^{(21)}$	/C	/A	C	-C	-/C	-B	-B	-A	-C	-/C	-/A	-/A	/A	/C	-B	1
$\chi_{40}^{(22)}$	-C	A	-/C	/C	C	-B	-B	-/A	/C	C	-A	-A	A	-C	-B	1
$\chi_{40}^{(23)}$	C	A	/C	-/C	-C	B	B	-/A	-/C	-C	-A	-A	A	C	B	1
$\chi_{40}^{(24)}$	-/C	/A	-C	C	/C	B	B	-A	C	/C	-/A	-/A	/A	-/C	B	1
$\chi_{40}^{(25)}$	/C	/A	C	-B	C	-B	/C	-/A	-C	-/C	-/A	-A	-1	-C	-C	-/A
$\chi_{40}^{(26)}$	-C	A	-/C	-B	-/C	-B	-C	-A	/C	C	-A	-/A	-1	/C	/C	-A
$\chi_{40}^{(27)}$	C	A	/C	B	/C	B	C	-A	-/C	-C	-A	-/A	-1	-/C	-/C	-A
$\chi_{40}^{(28)}$	-/C	/A	-C	B	-C	B	-/C	-/A	C	/C	-/A	-A	-1	C	C	-/A
$\chi_{40}^{(29)}$	-C	A	-/C	-C	B	-B	/C	1	/C	C	-A	1	/A	-B	-C	-/A
$\chi_{40}^{(30)}$	/C	/A	C	/C	B	-B	-C	1	-C	-/C	-/A	1	A	-B	/C	-A
$\chi_{40}^{(31)}$	-/C	/A	-C	-/C	-B	B	C	1	C	/C	-/A	1	A	B	-/C	-A
$\chi_{40}^{(32)}$	C	A	/C	C	-B	B	-/C	1	-/C	-C	-A	1	/A	B	C	-/A
$\chi_{40}^{(33)}$	-B	-1	B	/C	-/C	-B	/C	-A	-B	B	1	-/A	A	/C	-C	-/A
$\chi_{40}^{(34)}$	-B	-1	B	-C	C	-B	-C	-/A	-B	B	1	-A	/A	-C	/C	-A
$\chi_{40}^{(35)}$	B	-1	-B	C	-C	B	C	-/A	B	-B	1	-A	/A	C	-/C	-A
$\chi_{40}^{(36)}$	B	-1	-B	-/C	/C	B	-/C	-A	B	-B	1	-/A	A	-/C	C	-/A

where $A = -E(3) = (1 - ER(-3))/2 = -b3$; $B = -E(4) = -ER(-1) = -i$; $C = -E(12)^7$.

The generators of $G^{s_{41}}$ are:

(1, 181, 3, 206, 164, 138) (2, 254, 167, 262, 20, 107) (4, 260, 56, 118, 132, 199) (5, 17, 175, 234, 19, 43) (6, 66, 88, 166, 171, 12) (7, 37, 223, 27, 38, 235) (8, 213, 57, 159, 180, 259) (9, 117, 102, 39, 34, 69) (10, 140, 86, 186, 170, 158) (11, 244, 71, 216, 114, 127) (13, 265, 54, 115, 210, 253) (14, 205, 58, 256, 111, 227) (15, 204, 51) (16, 141, 241, 55, 36, 85) (18, 59, 90, 75, 151, 218) (21, 148, 76, 271, 194, 160) (22, 79, 52, 174, 152, 33) (23, 250, 78, 73, 177, 84) (24, 242, 270, 243, 41, 220) (25, 257, 64, 267, 134, 193) (26, 187, 200, 252, 32, 228) (28, 173, 31, 266, 125, 110) (29, 77, 87, 201, 248, 30) (35, 211, 61, 232, 272, 269) (40, 208, 83, 131, 192, 183) (42, 95, 106) (44, 103, 98, 198, 191, 203) (45, 233, 239, 215, 92, 157) (46, 48, 60,

70, 120, 221) (47, 116, 207, 139, 89, 184) (49, 172, 263, 168, 99, 128) (50, 143, 53, 63, 258, 80) (62, 126, 96, 94, 255, 93) (65, 136, 74, 190, 162, 155) (67, 245, 68, 101, 209, 146) (72, 163, 82, 225, 169, 109) (81, 226, 100, 217, 230, 268) (91, 261, 165, 135, 97, 150) (104, 153, 249, 238, 145, 123) (105, 273, 161, 149, 224, 236) (108, 142, 119, 147, 129, 197) (112, 189, 185, 196, 124, 182) (113, 219, 156, 122, 179, 246) (121, 231, 247) (130, 274, 178, 137, 188, 195) (133, 214, 202, 251, 237, 276) (144, 176, 275) (154, 222, 240, 212, 229, 264) , (2, 5, 223) (4, 24, 61) (6, 31, 63) (7, 20, 19) (8, 161, 256) (9, 168, 64) (10, 179, 238) (11, 30, 65) (12, 173, 53) (13, 148, 250) (14, 159, 236) (15, 144, 247) (16, 150, 251) (17, 27, 254) (18, 33, 225) (21, 23, 253) (22, 169, 59) (25, 34, 172) (26, 129, 62) (28, 143, 171) (29, 136, 244) (32, 119, 255) (35, 132, 41) (36, 135, 214) (37, 107, 43) (38, 167, 175) (39, 49, 193) (44, 89, 185) (45, 212, 217) (46, 101, 188) (47, 124, 98) (48, 209, 195) (50, 166, 110) (51, 275, 231) (52, 72, 75) (54, 271, 73) (55, 165, 133) (56, 270, 272) (57, 224, 227) (58, 259, 273) (60, 146, 130) (66, 266, 258) (67, 274, 70) (68, 137, 221) (69, 263, 257) (71, 77, 74) (76, 78, 265) (79, 109, 90) (80, 88, 125) (81, 215, 154) (82, 218, 152) (84, 210, 160) (85, 97, 202) (86, 113, 123) (87, 190, 216) (91, 237, 141) (92, 222, 226) (93, 228, 147) (94, 252, 142) (96, 200, 108) (99, 267, 117) (100, 157, 240) (102, 128, 134) (103, 184, 196) (104, 186, 219) (105, 205, 180) (111, 213, 149) (112, 191, 207) (114, 201, 162) (115, 194, 177) (116, 182, 198) (118, 243, 269) (120, 245, 178) (121, 204, 176) (122, 249, 158) (126, 187, 197) (127, 248, 155) (139, 189, 203) (140, 246, 145) (151, 174, 163) (153, 170, 156) (199, 220, 211) (229, 230, 233) (232, 260, 242) (234, 235, 262) (239, 264, 268) (241, 261, 276) , (1, 18, 79) (2, 93, 6) (3, 90, 174) (4, 89, 98) (5, 143, 230) (7, 154, 228) (8, 58, 248) (9, 146, 210) (10, 86, 170) (11, 155, 236) (12, 107, 255) (13, 102, 245) (14, 87, 180) (15, 51, 204) (16, 137, 267) (17, 53, 268) (19, 80, 100) (20, 94, 171) (21, 48, 251) (22, 138, 218) (23, 135, 49) (24, 185, 35) (25, 55, 130) (26, 37, 222) (27, 212, 200) (28, 197, 215) (29, 57, 111) (30, 213, 256) (31, 142, 157) (32, 235, 264) (33, 164, 151) (34, 101, 54) (36, 274, 257) (38, 229, 252) (39, 68, 265) (40, 156, 238) (41, 112, 272) (42, 144, 231) (43, 50, 217) (44, 132, 207) (45, 266, 119) (46, 202, 160) (47, 191, 56) (52, 181, 59) (60, 237, 148) (61, 270, 124) (62, 66, 254) (63, 81, 175) (64, 85, 178) (65, 105, 244) (67, 253, 117) (69, 209, 115) (70, 276, 76) (71, 136, 273) (72, 82, 169) (73, 91, 168) (74, 161, 216) (75, 152, 206) (77, 159, 227) (78, 150, 263) (83, 179, 123) (84, 165, 128) (88, 167, 126) (92, 173, 108) (95, 176, 247) (96, 166, 262) (97, 172, 250) (99, 177, 261) (103, 199, 139) (104, 131, 246) (106, 275, 121) (109, 163, 225) (110, 129, 239) (113, 153, 192) (114, 190, 149) (116, 203, 118) (120, 133, 271) (122, 145, 208) (125, 147, 233) (127, 162, 224) (134, 141, 188) (140, 186, 158) (182, 232, 243) (183, 219, 249) (184, 198, 260) (187, 223, 240) (189, 269, 220) (193, 241, 195) (194, 221, 214) (196, 211, 242) (201, 259, 205) (226, 234, 258).

The representatives of conjugacy classes of $G^{S_{41}}$ are:

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237) (92, 226, 222) (93, 147, 228) (94, 142, 252) (96, 108, 200) (99, 117, 267) (100, 240, 157) (102, 134, 128)
 (103, 196, 184) (104, 219, 186) (105, 180, 205) (111, 149, 213) ([...]) , (1, 3, 164) (2, 38, 19) (4, 272, 41)
 (5, 167, 7) (6, 80, 28) (8, 227, 105) (9, 134, 172) (10, 123, 156) (11, 74, 201) (12, 258, 110) (13, 73, 160) (14,
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 231, 144) (43, 217, 50) (44, 207, 132) (45, 119, 266) (46, 160, 202) (47, 56, 191) (52, 59, 181) (60, 148, 237)

(61, 124, 270) (62, 254, 66) (63, 175, 81) (64, 178, 85) (65, 244, 105) (67, 117, 253) (69, 115, 209) (70, 76, 276) (71, 273, 136) (72, 169, 82) (73, 168, 91) (74, 216, 161) (75, 206, 152) (77, 227, 159) (78, 263, 150) (83, 123, 179) (84, 128, 165) (88, 126, 167) (92, 108, 173) (95, 247, 176) (96, 262, 166) (97, 250, 172) ([...]) ,
 (1, 79, 3, 174, 164, 33) (2, 187, 167, 252, 20, 228) (4, 124, 56, 112, 132, 185) (5, 6, 175, 88, 19, 171) (7, 100, 223, 230, 38, 81) (8, 213, 57, 159, 180, 259) (9, 178, 102, 188, 34, 130) (10, 156, 86, 179, 170, 113) (11, 244, 71, 216, 114, 127) (12, 17, 66, 234, 166, 43) (13, 172, 54, 168, 210, 128) (14, 155, 58, 136, 111, 190) (15, 176, 51, 144, 204, 275) (16, 48, 241, 70, 36, 221) (18, 163, 90, 225, 151, 109) (21, 67, 76, 68, 194, 209) (22, 181, 52, 206, 152, 138) (23, 251, 78, 276, 177, 214) (24, 98, 270, 191, 41, 44) (25, 97, 64, 91, 134, 165) (26, 254, 200, 262, 32, 107) (27, 268, 235, 226, 37, 217) (28, 94, 31, 93, 125, 126) (29, 105, 87, 161, 248, 224) (30, 236, 77, 273, 201, 149) (35, 272, 61) (39, 195, 69, 274, 117, 137) (40, 238, 83, 123, 192, 153) (42, 231, 106, 121, 95, 247) (45, 50, 239, 53, 92, 258) (46, 141, 60, 55, 120, 85) (47, 89, 207) (49, 265, 263, 115, 99, 253) (59, 82, 75, 169, 218, 72) (62, 110, 96, 173, 255, 266) ([...]) , (1, 79, 225) (2, 230, 147) (3, 174, 109) (4, 35, 44) (5, 187, 28) (6, 157, 223) (7, 171, 215) (8, 74, 273) (9, 91, 60) (10, 83, 123) (11, 256, 248) (12, 92, 37) (13, 237, 134) (14, 77, 216) (15, 42, 231) (16, 78, 68) (17, 200, 173) (18, 151, 90) (19, 228, 125) (20, 100, 142) (21, 49, 195) (22, 82, 138) (23, 67, 36) (24, 124, 89) (25, 54, 133) (26, 110, 43) (27, 66, 45) (29, 71, 227) (30, 244, 111) (31, 175, 252) (32, 266, 234) (33, 163, 164) (34, 97, 46) (38, 88, 233) (39, 135, 221) (40, 238, 170) (41, 185, 207) (47, 270, 112) (48, 69, 150) (50, 96, 212) (51, 106, 121) (52, 169, 181) (53, 255, 264) (55, 84, 146) (56, 61, 98) (57, 162, 149) (58, 201, 127) (59, 218, 75) (62, 222, 258) (63, 93, 154) (64, 210, 202) (65, 236, 180) (70, 117, 261) (72, 206, 152) (73, 101, 141) (76, 263, 274) (80, 126, 240) (81, 197, 167) (85, 250, 245) (86, 192, 153) (87, 114, 205) (94, 229, 143) (95, 247, 204) (99, 137, 194) (102, 165, 120) (103, 260, 211) (104, 140, 131) ([...]) , (1, 82, 3, 169, 164, 72) (2, 92, 167, 45, 20, 239) (4, 260, 56, 118, 132, 199) (5, 119, 175, 129, 19, 108) (6, 264, 88, 222, 171, 212) (7, 266, 223, 110, 38, 173) (8, 127, 57, 244, 180, 216) (9, 214, 102, 251, 34, 276) (10, 183, 86, 208, 170, 131) (11, 159, 71, 259, 114, 213) (12, 229, 66, 154, 166, 240) (13, 36, 54, 16, 210, 241) (14, 155, 58, 136, 111, 190) (15, 42, 51, 106, 204, 95) (17, 147, 234, 197, 43, 142) (18, 22, 90, 52, 151, 152) (21, 64, 76, 134, 194, 25) (23, 188, 78, 130, 177, 178) (24, 203, 270, 103, 41, 198) (26, 63, 200, 80, 32, 143) (27, 28, 235, 31, 37, 125) (29, 248, 87) (30, 201, 77) (33, 59, 79, 75, 174, 218) (35, 116, 61, 139, 272, 184) (39, 237, 69, 133, 117, 202) (40, 186, 83, 158, 192, 140) (44, 243, 98, 220, 191, 242) (46, 99, 60, 49, 120, 263) (47, 211, 207, 232, 89, 269) (48, 128, 70, 172, 221, 168) (50, 228, 53, 187, 258, 252) (55, 265, 85, 115, 141, 253) (62, 230, 96, 81, 255, 100) (65, 256, 74, 227, 162, 205) ([...]) , (1, 82, 18, 206, 109, 75) (2, 110, 240, 262, 31, 264) (3, 169, 90, 138, 163, 218) (4, 139, 270, 118, 47, 220) (5, 92, 93, 234, 233, 96) (6, 200, 81, 166, 228, 217) (7, 108, 80, 27, 147, 53) (8, 74, 30, 159, 155, 87) (9, 76, 85, 39, 160, 241) (10, 246, 40, 186, 156, 131) (11, 256, 105, 216, 14, 149) (12, 187, 268, 88, 32, 100) (13, 195, 97, 115, 178, 261) (15, 176, 95) (16, 34, 21, 55, 117, 271) (17, 157, 62, 19, 239, 94) (20, 266, 154, 254, 28, 212) (22, 79, 52, 174, 152, 33) (23, 64, 48, 73, 193, 120) (24, 260, 89, 243, 132, 116) (25, 221, 250, 267, 60, 177) (26, 230, 66, 252, 226, 171) (29, 180, 65, 201, 213, 190) (35, 198, 112, 232, 44, 196) (36, 102, 194, 141, 69, 148) (37, 142, 50, 38, 129, 63) (41, 199, 207, 242, 56, 184) (42, 51, 144) (43, 215, 255, 175, 45, 126) (46, 78, 134, 70, 84, 257) (49, 237, 68, 168, 214, 146) (54, 274, 91, 253, 188, 135) (57, 162, 77, 259, 136, 248) (58, 236, 71, 227, 161, 127) (59, 164, 72, 151, 181, 225) ([...]) , (1, 82, 33, 206, 109, 52) (2, 119, 100, 262, 197, 268) (3, 169, 79, 138, 163, 152) (4, 203, 272, 118, 98, 211) (5, 110, 228, 234, 31, 200) (6, 37, 215, 166, 38, 45) (7, 239, 88, 27, 157, 12) (8, 105, 65, 159, 149, 190) (9, 48, 97, 39, 120, 261) (10, 145, 40, 186, 153, 131) (11, 201, 205, 216, 29, 111) (13, 267, 202, 115, 25, 276) (14, 71, 30, 256, 127, 87) (15, 121, 95) (16, 245, 23, 55, 209, 73) (17, 28, 26, 19, 266, 252) (18, 59, 90, 75, 151, 218) (20, 108, 81, 254, 147, 217) (21, 188, 99, 271, 274, 172) (22, 164, 72, 174, 181, 225) (24, 139, 185, 243, 47, 182) (32, 175, 173, 187, 43, 125) (34, 221, 165, 117, 60, 150) (35, 199, 191, 232, 56, 103) (36, 146, 177, 141, 68, 250) (41, 116, 112, 242, 89, 196) (42, 51, 247) (44, 269, 132, 198, 61, 260) (46, 135, 102, 70, 91, 69) (49, 160, 137, 168, 76, 130) (50, 240, 62, 63, 264, 94) (53, 229, 96, 80, 222, 93) (54, 193, 237, 253, 64, 214) (57, 161, 74, 259, 236, 155) (58, 114, 77, 227, 244, 248) ([...]) , (1, 138, 164, 206, 3, 181) (2, 107, 20, 262, 167, 254) (4, 199, 132, 118, 56, 260) (5, 43, 19, 234, 175, 17) (6,

12, 171, 166, 88, 66) (7, 235, 38, 27, 223, 37) (8, 259, 180, 159, 57, 213) (9, 69, 34, 39, 102, 117) (10, 158, 170, 186, 86, 140) (11, 127, 114, 216, 71, 244) (13, 253, 210, 115, 54, 265) (14, 227, 111, 256, 58, 205) (15, 51, 204) (16, 85, 36, 55, 241, 141) (18, 218, 151, 75, 90, 59) (21, 160, 194, 271, 76, 148) (22, 33, 152, 174, 52, 79) (23, 84, 177, 73, 78, 250) (24, 220, 41, 243, 270, 242) (25, 193, 134, 267, 64, 257) (26, 228, 32, 252, 200, 187) (28, 110, 125, 266, 31, 173) (29, 30, 248, 201, 87, 77) (35, 269, 272, 232, 61, 211) (40, 183, 192, 131, 83, 208) (42, 106, 95) (44, 203, 191, 198, 98, 103) (45, 157, 92, 215, 239, 233) (46, 221, 120, 70, 60, 48) (47, 184, 89, 139, 207, 116) (49, 128, 99, 168, 263, 172) (50, 80, 258, 63, 53, 143) (62, 93, 255, 94, 96, 126) (65, 155, 162, 190, 74, 136) (67, 146, 209, 101, 68, 245) ([...]) , (1, 151) (2, 80) (3, 18) (4, 112) (5, 154) (6, 197) (7, 126) (8, 244) (9, 250) (10, 238) (11, 259) (12, 129) (13, 46) (14, 256) (15, 247) (16, 49) (17, 222) (19, 229) (20, 63) (21, 261) (22, 169) (23, 69) (25, 245) (26, 45) (27, 255) (28, 100) (29, 236) (30, 224) (31, 230) (32, 92) (33, 225) (34, 84) (35, 47) (36, 99) (37, 96) (38, 93) (39, 177) (40, 113) (42, 176) (43, 264) (48, 265) (50, 254) (51, 231) (52, 72) (53, 262) (54, 60) (55, 168) (56, 185) (57, 216) (58, 227) (59, 206) (61, 207) (62, 235) (64, 101) (65, 190) (66, 108) (67, 193) (68, 257) (70, 115) (71, 213) (73, 102) (74, 155) (75, 138) (76, 135) (77, 105) (78, 117) (79, 109) (81, 125) (82, 152) (83, 156) (85, 128) (86, 123) (87, 273) (88, 142) (89, 272) (90, 164) (91, 160) (94, 223) (95, 275) (97, 271) (104, 186) (106, 144) (107, 258) (110, 226) (111, 205) (114, 159) (116, 211) (118, 196) (119, 166) (120, 210) (121, 204) (122, 131) (124, 132) (127, 180) (130, 202) (133, 188) (134, 146) (136, 162) (137, 276) (139, 232) ([...]) , (1, 164, 3) (2, 20, 167) (4, 132, 56) (5, 19, 175) (6, 171, 88) (7, 38, 223) (8, 180, 57) (9, 34, 102) (10, 170, 86) (11, 114, 71) (12, 166, 66) (13, 210, 54) (14, 111, 58) (15, 204, 51) (16, 36, 241) (17, 43, 234) (18, 151, 90) (21, 194, 76) (22, 152, 52) (23, 177, 78) (24, 41, 270) (25, 134, 64) (26, 32, 200) (27, 37, 235) (28, 125, 31) (29, 248, 87) (30, 201, 77) (33, 174, 79) (35, 272, 61) (39, 117, 69) (40, 192, 83) (42, 95, 106) (44, 191, 98) (45, 92, 239) (46, 120, 60) (47, 89, 207) (48, 221, 70) (49, 99, 263) (50, 258, 53) (55, 141, 85) (59, 218, 75) (62, 255, 96) (63, 143, 80) (65, 162, 74) (67, 209, 68) (72, 169, 82) (73, 250, 84) (81, 230, 100) (91, 97, 165) (93, 94, 126) (101, 245, 146) (103, 203, 198) (104, 145, 249) (105, 224, 161) (107, 262, 254) (108, 129, 119) (109, 225, 163) (110, 266, 173) (112, 124, 185) (113, 179, 156) (115, 265, 253) (116, 184, 139) (118, 260, 199) (121, 231, 247) (122, 219, 246) (123, 238, 153) (127, 216, 244) ([...]) , (1, 181, 3, 206, 164, 138) (2, 254, 167, 262, 20, 107) (4, 260, 56, 118, 132, 199) (5, 17, 175, 234, 19, 43) (6, 66, 88, 166, 171, 12) (7, 37, 223, 27, 38, 235) (8, 213, 57, 159, 180, 259) (9, 117, 102, 39, 34, 69) (10, 140, 86, 186, 170, 158) (11, 244, 71, 216, 114, 127) (13, 265, 54, 115, 210, 253) (14, 205, 58, 256, 111, 227) (15, 204, 51) (16, 141, 241, 55, 36, 85) (18, 59, 90, 75, 151, 218) (21, 148, 76, 271, 194, 160) (22, 79, 52, 174, 152, 33) (23, 250, 78, 73, 177, 84) (24, 242, 270, 243, 41, 220) (25, 257, 64, 267, 134, 193) (26, 187, 200, 252, 32, 228) (28, 173, 31, 266, 125, 110) (29, 77, 87, 201, 248, 30) (35, 211, 61, 232, 272, 269) (40, 208, 83, 131, 192, 183) (42, 95, 106) (44, 103, 98, 198, 191, 203) (45, 233, 239, 215, 92, 157) (46, 48, 60, 70, 120, 221) (47, 116, 207, 139, 89, 184) (49, 172, 263, 168, 99, 128) (50, 143, 53, 63, 258, 80) (62, 126, 96, 94, 255, 93) (65, 136, 74, 190, 162, 155) (67, 245, 68, 101, 209, 146) ([...]) , (1, 206) (2, 262) (3, 138) (4, 118) (5, 234) (6, 166) (7, 27) (8, 159) (9, 39) (10, 186) (11, 216) (12, 88) (13, 115) (14, 256) (16, 55) (17, 19) (18, 75) (20, 254) (21, 271) (22, 174) (23, 73) (24, 243) (25, 267) (26, 252) (28, 266) (29, 201) (30, 87) (31, 110) (32, 187) (33, 52) (34, 117) (35, 232) (36, 141) (37, 38) (40, 131) (41, 242) (43, 175) (44, 198) (45, 215) (46, 70) (47, 139) (48, 120) (49, 168) (50, 63) (53, 80) (54, 253) (56, 199) (57, 259) (58, 227) (59, 151) (60, 221) (61, 269) (62, 94) (64, 193) (65, 190) (66, 171) (67, 101) (68, 146) (69, 102) (71, 127) (72, 225) (74, 155) (76, 160) (77, 248) (78, 84) (79, 152) (81, 217) (82, 109) (83, 183) (85, 241) (86, 158) (89, 116) (90, 218) (91, 135) (92, 233) (93, 96) (97, 261) (98, 203) (99, 172) (100, 268) (103, 191) (104, 238) (105, 149) (107, 167) (108, 147) (111, 205) (112, 196) (113, 122) (114, 244) (119, 197) (123, 249) (124, 189) (125, 173) (126, 255) (128, 263) (129, 142) (130, 137) (132, 260) (133, 251) (134, 257) ([...]) .

The character table of $G^{s_{41}}$:

	10										20									
$\chi_{41}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{41}^{(2)}$	1	1	1	1	1	1	-1	-1	-1	-1	-1	-1	1	1	1	-1	-1	-1	-1	1
$\chi_{41}^{(3)}$	1	1	1	A	A	A	A	-1	-1	-1	-A	-A	-A	/A	/A	/A	-/A	-/A	-/A	-A
$\chi_{41}^{(4)}$	1	1	1	/A	/A	/A	/A	-1	-1	-1	-/A	-/A	-/A	A	A	A	-A	-A	-A	-/A
$\chi_{41}^{(5)}$	1	1	1	A	A	A	A	1	1	1	A	A	A	/A	/A	/A	/A	/A	/A	A
$\chi_{41}^{(6)}$	1	1	1	/A	/A	/A	/A	1	1	1	/A	/A	/A	A	A	A	A	A	A	/A
$\chi_{41}^{(7)}$	1	A	/A	1	A	/A	A	-A	-1	-/A	-/A	-A	-1	1	/A	A	-/A	-A	-1	-A
$\chi_{41}^{(8)}$	1	/A	A	1	/A	A	/A	-/A	-1	-A	-A	-/A	-1	1	A	/A	-A	-/A	-1	-/A
$\chi_{41}^{(9)}$	1	A	/A	1	A	/A	A	A	1	/A	/A	A	1	1	/A	A	/A	A	1	A
$\chi_{41}^{(10)}$	1	/A	A	1	/A	A	/A	/A	1	A	A	/A	1	1	A	/A	A	/A	1	/A
$\chi_{41}^{(11)}$	1	A	/A	A	/A	1	/A	-A	-1	-/A	-1	-/A	-A	/A	A	1	-A	-1	-/A	-/A
$\chi_{41}^{(12)}$	1	/A	A	/A	A	1	A	-/A	-1	-A	-1	-A	-/A	A	/A	1	-/A	-1	-A	-A
$\chi_{41}^{(13)}$	1	A	/A	A	/A	1	/A	A	1	/A	1	/A	A	/A	A	1	A	1	/A	/A
$\chi_{41}^{(14)}$	1	/A	A	/A	A	1	A	/A	1	A	1	A	/A	A	/A	1	/A	1	A	A
$\chi_{41}^{(15)}$	1	A	/A	/A	1	A	1	-A	-1	-/A	-A	-1	-/A	A	1	/A	-1	-/A	-A	-1
$\chi_{41}^{(16)}$	1	/A	A	A	1	/A	1	-/A	-1	-A	-/A	-1	-A	/A	1	A	-1	-A	-/A	-1
$\chi_{41}^{(17)}$	1	A	/A	/A	1	A	1	A	1	/A	A	1	/A	A	1	/A	1	/A	A	1
$\chi_{41}^{(18)}$	1	/A	A	A	1	/A	1	/A	1	A	/A	1	A	/A	1	A	1	A	/A	1
$\chi_{41}^{(19)}$	3	.	.	.	3	.	-1	.	1	.	.	1	.	.	-1	.	1	.	.	-3
$\chi_{41}^{(20)}$	3	.	.	.	3	.	-1	.	-1	.	.	-1	.	.	-1	.	-1	.	.	3
$\chi_{41}^{(21)}$	3	.	.	.	B	.	-A	.	1	.	.	A	.	.	-/A	.	/A	.	.	-B
$\chi_{41}^{(22)}$	3	.	.	.	/B	.	-/A	.	1	.	.	/A	.	.	-A	.	A	.	.	-/B
$\chi_{41}^{(23)}$	3	.	.	.	B	.	-A	.	-1	.	.	-A	.	.	-/A	.	-/A	.	.	B
$\chi_{41}^{(24)}$	3	.	.	.	/B	.	-/A	.	-1	.	.	-/A	.	.	-A	.	-A	.	.	/B

$\chi_{41}^{(1)}$	1	1
$\chi_{41}^{(2)}$	-1	-1
$\chi_{41}^{(3)}$	-/A	-1
$\chi_{41}^{(4)}$	-A	-1
$\chi_{41}^{(5)}$	/A	1
$\chi_{41}^{(6)}$	A	1
$\chi_{41}^{(7)}$	-/A	-1
$\chi_{41}^{(8)}$	-A	-1
$\chi_{41}^{(9)}$	/A	1
$\chi_{41}^{(10)}$	A	1
$\chi_{41}^{(11)}$	-A	-1
$\chi_{41}^{(12)}$	-/A	-1
$\chi_{41}^{(13)}$	A	1
$\chi_{41}^{(14)}$	/A	1
$\chi_{41}^{(15)}$	-1	-1
$\chi_{41}^{(16)}$	-1	-1
$\chi_{41}^{(17)}$	1	1
$\chi_{41}^{(18)}$	1	1
$\chi_{41}^{(19)}$	-3	-3
$\chi_{41}^{(20)}$	3	3
$\chi_{41}^{(21)}$	-/B	-3
$\chi_{41}^{(22)}$	-B	-3
$\chi_{41}^{(23)}$	/B	3
$\chi_{41}^{(24)}$	B	3

where $A=E(3)^2=(-1-ER(-3))/2=-1-b3$; $B=3^*E(3)^2=(-3-3^*ER(-3))/2=-3-3b3$.

The generators of $G^{S_{42}}$ are:

(1, 233, 193, 48, 153, 31, 198, 7, 87) (2, 81, 261, 73, 102, 80, 241, 3, 212) (4, 41, 262, 103, 105, 30, 110, 74, 119) (5, 69, 20, 72, 9, 79, 100, 10, 202) (6, 139, 211, 44, 151, 60, 111, 98, 218) (8, 121, 224, 172, 137, 97, 147, 134, 195) (11, 272, 14, 256, 18, 99, 229, 33, 21) (12, 170, 203, 23, 221, 42, 145, 161, 140) (13, 26, 207, 209, 189, 36, 101, 190, 269) (15, 127, 231, 141, 112, 94, 228, 186, 34) (16, 84, 206, 128, 148, 58, 205, 113, 176) (17, 184, 275, 57, 194, 40, 65, 150, 182) (19, 159, 235, 214, 22, 90, 208, 78, 149) (24, 249, 254) (25, 66, 75, 265, 250, 106, 68, 245, 123) (27, 143, 225, 197, 216, 54, 180, 217, 248) (28, 264, 227, 71, 70, 32, 63, 142, 258) (29, 173, 109, 50, 252, 165, 115, 136, 37) (35, 49, 175, 167, 158, 160, 255, 162, 144) (38, 125, 89, 240, 164, 196, 131, 62, 56) (39, 219, 129, 114, 116, 268, 267, 155, 156) (43, 120, 46, 274, 237, 187, 183, 242, 226) (45, 77, 168, 247, 263, 51, 204, 271, 59) (47, 185, 169, 210, 53, 251, 244, 192, 260) (52, 138, 253, 55, 215, 122, 92, 157, 178) (61, 154, 270, 166, 220, 76, 124, 223, 222) (64, 199, 259, 146, 232, 118, 91, 83, 179) (67, 181, 108, 234, 132, 96, 230, 273, 174) (82, 238, 126, 239, 107, 236, 135, 191, 86) (85, 95, 276, 246, 257, 200, 177, 213, 104) (88, 152, 266, 243, 133, 163, 188, 201, 130) , (1, 2, 243, 198, 241, 88, 48, 73, 188) (3, 152, 153, 102, 201, 233, 81, 133, 7) (4, 99, 220, 110, 14, 154, 103, 21, 223) (5, 160, 135, 100, 175, 239, 72, 144, 82) (6, 180, 174, 111, 197, 96, 44, 27, 108) (8, 149, 56, 147, 90, 196, 172, 235, 89) (9, 35, 238, 69, 255, 191, 10, 167, 107) (11, 222, 41, 229, 76, 74, 256, 270, 105) (12, 37, 231, 145, 165, 34, 23, 109, 94) (13, 36, 26, 101, 207, 190, 209, 269, 189) (15, 221, 50, 228, 170, 29, 141, 161, 115) (16, 176, 113, 205, 58, 148, 128, 206, 84) (17, 177, 242, 65, 246, 237, 57, 85, 120) (18, 166, 30, 272, 61, 262, 33, 124, 119) (19, 38, 134, 208, 131, 137, 214, 240, 121) (20, 162, 86, 202, 158, 236, 79, 49, 126) (22, 164, 224, 159, 125, 195, 78, 62, 97) (24, 254, 249) (25, 53, 247, 68, 185, 45, 265, 192, 204) (28, 227, 70, 63, 258, 264, 71, 32, 142) (31, 80, 130, 193, 261, 163, 87, 212, 266) (39, 253, 259, 267, 178, 179, 114, 122, 118) (40, 276, 274, 275, 104, 43,

182, 200, 183) (42, 252, 186, 203, 173, 112, 140, 136, 127) (46, 184, 213, 226, 150, 257, 187, 194, 95) (47, 59, 75, 244, 51, 123, 210, 168, 106) (52, 64, 116, 92, 91, 219, 55, 146, 155) (54, 273, 60, 225, 132, 211, 248, 181, 218) (66, 251, 263, 245, 169, 77, 250, 260, 271) (67, 98, 216, 230, 151, 143, 234, 139, 217) (83, 129, 215, 232, 156, 138, 199, 268, 157) , (1, 4, 82, 198, 110, 135, 48, 103, 239) (2, 14, 72, 241, 21, 5, 73, 99, 100) (3, 11, 69, 102, 229, 10, 81, 256, 9) (6, 83, 104, 111, 232, 200, 44, 199, 276) (7, 74, 191, 153, 105, 107, 233, 41, 238) (8, 77, 173, 147, 271, 136, 172, 263, 252) (12, 38, 210, 145, 131, 47, 23, 240, 244) (13, 84, 32, 101, 113, 227, 209, 148, 258) (15, 78, 25, 228, 22, 68, 141, 159, 265) (16, 70, 36, 205, 264, 207, 128, 142, 269) (17, 67, 178, 65, 230, 122, 57, 234, 253) (18, 79, 212, 272, 20, 80, 33, 202, 261) (19, 75, 34, 208, 123, 94, 214, 106, 231) (26, 206, 63, 190, 176, 71, 189, 58, 28) (27, 129, 183, 180, 156, 274, 197, 268, 43) (29, 97, 204, 115, 224, 247, 50, 195, 45) (30, 236, 193, 262, 126, 87, 119, 86, 31) (35, 201, 270, 255, 133, 222, 167, 152, 76) (37, 137, 51, 165, 121, 168, 109, 134, 59) (39, 237, 216, 267, 120, 143, 114, 242, 217) (40, 96, 215, 275, 108, 138, 182, 174, 157) (42, 196, 260, 203, 89, 251, 140, 56, 169) (46, 225, 116, 226, 248, 219, 187, 54, 155) (49, 130, 166, 162, 163, 61, 158, 266, 124) (52, 150, 273, 92, 194, 132, 55, 184, 181) (53, 161, 62, 185, 221, 164, 192, 170, 125) (60, 146, 257, 211, 64, 95, 218, 91, 213) (66, 186, 90, 245, 112, 235, 250, 127, 149) (85, 98, 118, 177, 151, 259, 246, 139, 179) (88, 220, 144, 188, 154, 160, 243, 223, 175) (93, 117, 171).

The representatives of conjugacy classes of $G^{s_{42}}$ are:

() , (1, 2, 243, 198, 241, 88, 48, 73, 188) (3, 152, 153, 102, 201, 233, 81, 133, 7) (4, 99, 220, 110, 14, 154, 103, 21, 223) (5, 160, 135, 100, 175, 239, 72, 144, 82) (6, 180, 174, 111, 197, 96, 44, 27, 108) (8, 149, 56, 147, 90, 196, 172, 235, 89) (9, 35, 238, 69, 255, 191, 10, 167, 107) (11, 222, 41, 229, 76, 74, 256, 270, 105) (12, 37, 231, 145, 165, 34, 23, 109, 94) (13, 36, 26, 101, 207, 190, 209, 269, 189) (15, 221, 50, 228, 170, 29, 141, 161, 115) (16, 176, 113, 205, 58, 148, 128, 206, 84) (17, 177, 242, 65, 246, 237, 57, 85, 120) (18, 166, 30, 272, 61, 262, 33, 124, 119) (19, 38, 134, 208, 131, 137, 214, 240, 121) (20, 162, 86, 202, 158, 236, 79, 49, 126) (22, 164, 224, 159, 125, 195, 78, 62, 97) (24, 254, 249) (25, 53, 247, 68, 185, 45, 265, 192, 204) (28, 227, 70, 63, 258, 264, 71, 32, 142) (31, 80, 130, 193, 261, 163, 87, 212, 266) (39, 253, 259, 267, 178, 179, 114, 122, 118) (40, 276, 274, 275, 104, 43, 182, 200, 183) ([...]) , (1, 3, 130) (2, 152, 193) (4, 256, 61) (5, 167, 126) (6, 216, 132) (7, 80, 188) (8, 208, 164) (9, 162, 135) (10, 49, 82) (11, 124, 110) (12, 115, 186) (13, 209, 101) (14, 222, 119) (15, 203, 37) (16, 205, 128) (17, 257, 274) (18, 154, 41) (19, 62, 172) (20, 160, 107) (21, 76, 30) (22, 89, 134) (23, 29, 127) (25, 169, 59) (26, 189, 190) (27, 67, 60) (31, 73, 133) (33, 220, 105) (34, 170, 136) (35, 86, 100) (36, 269, 207) (38, 97, 235) (39, 52, 83) (40, 85, 226) (42, 109, 141) (43, 65, 95) (44, 217, 273) (45, 66, 210) (46, 182, 246) (47, 204, 245) (48, 81, 266) (50, 112, 145) (51, 68, 260) (53, 77, 75) (54, 96, 139) (55, 199, 114) (56, 137, 159) (57, 213, 183) (58, 206, 176) (64, 129, 253) (69, 158, 239) (72, 255, 236) (74, 272, 223) (78, 196, 121) (79, 144, 191) (84, 113, 148) (87, 241, 201) (88, 233, 212) (90, 240, 195) (91, 156, 178) (92, 232, 267) (94, 161, 252) (98, 225, 108) (99, 270, 262) (102, 163, 198) (103, 229, 166) (104, 242, 194) (106, 192, 263) ([...]) , (1, 4, 82, 198, 110, 135, 48, 103, 239) (2, 14, 72, 241, 21, 5, 73, 99, 100) (3, 11, 69, 102, 229, 10, 81, 256, 9) (6, 83, 104, 111, 232, 200, 44, 199, 276) (7, 74, 191, 153, 105, 107, 233, 41, 238) (8, 77, 173, 147, 271, 136, 172, 263, 252) (12, 38, 210, 145, 131, 47, 23, 240, 244) (13, 84, 32, 101, 113, 227, 209, 148, 258) (15, 78, 25, 228, 22, 68, 141, 159, 265) (16, 70, 36, 205, 264, 207, 128, 142, 269) (17, 67, 178, 65, 230, 122, 57, 234, 253) (18, 79, 212, 272, 20, 80, 33, 202, 261) (19, 75, 34, 208, 123, 94, 214, 106, 231) (26, 206, 63, 190, 176, 71, 189, 58, 28) (27, 129, 183, 180, 156, 274, 197, 268, 43) (29, 97, 204, 115, 224, 247, 50, 195, 45) (30, 236, 193, 262, 126, 87, 119, 86, 31) (35, 201, 270, 255, 133, 222, 167, 152, 76) (37, 137, 51, 165, 121, 168, 109, 134, 59) (39, 237, 216, 267, 120, 143, 114, 242, 217) (40, 96, 215, 275, 108, 138, 182, 174, 157) (42, 196, 260, 203, 89, 251, 140, 56, 169) (46, 225, 116, 226, 248, 219, 187, 54, 155) ([...]) , (1, 5, 220) (2, 144, 103) (3, 255, 41) (4, 241, 160) (6, 43, 215) (7, 10, 270) (8, 112, 260) (9, 222, 153) (11, 201, 191) (12, 168, 208) (13, 142, 176) (14, 88, 82) (15, 53, 97) (16, 26, 258) (17, 179, 216) (18, 266, 126) (19, 23, 51) (20, 124, 193) (21, 188, 135) (22, 161, 45) (24, 254, 249) (25, 164, 29) (27, 40, 232) (28, 84, 207) (30, 261, 49) (31, 79, 61) (32, 205, 190) (33, 163, 236) (34, 210, 137) (35, 105, 81) (36, 71, 148) (37, 123, 240) (38, 165, 106) (39, 230, 85) (42, 271, 235) (44, 274, 157) (46, 92, 211) (47, 121, 94) (48, 72, 223) (50, 265, 62) (52, 60,

187) (54, 184, 64) (55, 218, 226) (56, 252, 250) (57, 259, 217) (58, 101, 70) (59, 214, 145) (63, 113, 269) (65,
 118, 143) (66, 196, 173) (67, 246, 114) (68, 125, 115) (69, 76, 233) (73, 175, 110) (74, 102, 167) (75, 131,
 109) (77, 90, 140) (78, 170, 247) (80, 158, 119) (83, 197, 182) (86, 272, 130) (87, 202, 166) (89, 136, 245)
 (91, 225, 150) (93, 171, 117) (95, 219, 273) (96, 104, 156) ([...]) , (1, 7, 31, 48, 233, 87, 198, 153, 193) (2, 3,
 80, 73, 81, 212, 241, 102, 261) (4, 74, 30, 103, 41, 119, 110, 105, 262) (5, 10, 79, 72, 69, 202, 100, 9, 20) (6,
 98, 60, 44, 139, 218, 111, 151, 211) (8, 134, 97, 172, 121, 195, 147, 137, 224) (11, 33, 99, 256, 272, 21, 229,
 18, 14) (12, 161, 42, 23, 170, 140, 145, 221, 203) (13, 190, 36, 209, 26, 269, 101, 189, 207) (15, 186, 94, 141,
 127, 34, 228, 112, 231) (16, 113, 58, 128, 84, 176, 205, 148, 206) (17, 150, 40, 57, 184, 182, 65, 194, 275) (19,
 78, 90, 214, 159, 149, 208, 22, 235) (24, 249, 254) (25, 245, 106, 265, 66, 123, 68, 250, 75) (27, 217, 54, 197,
 143, 248, 180, 216, 225) (28, 142, 32, 71, 264, 258, 63, 70, 227) (29, 136, 165, 50, 173, 37, 115, 252, 109) (35,
 162, 160, 167, 49, 144, 255, 158, 175) (38, 62, 196, 240, 125, 56, 131, 164, 89) (39, 155, 268, 114, 219, 156,
 267, 116, 129) (43, 242, 187, 274, 120, 226, 183, 237, 46) (45, 271, 51, 247, 77, 59, 204, 263, 168) ([...]) ,
 (1, 9, 166, 48, 10, 124, 198, 69, 61) (2, 167, 262, 73, 255, 30, 241, 35, 119) (3, 49, 4, 81, 158, 103, 102, 162,
 110) (5, 222, 87, 72, 270, 193, 100, 76, 31) (6, 237, 55, 44, 242, 92, 111, 120, 52) (7, 20, 154, 233, 79, 220,
 153, 202, 223) (8, 34, 192, 172, 231, 185, 147, 94, 53) (11, 266, 135, 256, 163, 82, 229, 130, 239) (12, 204,
 90, 23, 45, 149, 145, 247, 235) (13, 227, 113, 209, 32, 84, 101, 258, 148) (14, 133, 86, 99, 201, 126, 21, 152,
 236) (15, 260, 137, 141, 169, 134, 228, 251, 121) (16, 36, 142, 128, 269, 264, 205, 207, 70) (17, 146, 197, 57,
 91, 180, 65, 64, 27) (18, 188, 238, 33, 88, 107, 272, 243, 191) (19, 161, 263, 214, 170, 271, 208, 221, 77) (22,
 203, 59, 78, 42, 168, 159, 140, 51) (25, 56, 37, 265, 89, 109, 68, 196, 165) (26, 71, 176, 189, 63, 206, 190, 28,
 58) (29, 250, 240, 50, 245, 131, 115, 66, 38) (39, 181, 104, 114, 132, 276, 267, 273, 200) (40, 179, 248, 182,
 259, 225, 275, 118, 54) (41, 261, 160, 105, 80, 144, 74, 212, 175) ([...]) , (1, 11, 49, 198, 229, 162, 48, 256,
 158) (2, 76, 236, 241, 270, 126, 73, 222, 86) (3, 166, 239, 102, 61, 82, 81, 124, 135) (4, 9, 163, 110, 69, 266,
 103, 10, 130) (5, 152, 262, 100, 201, 119, 72, 133, 30) (6, 267, 194, 111, 114, 184, 44, 39, 150) (7, 33, 144,
 153, 18, 160, 233, 272, 175) (8, 123, 221, 147, 106, 170, 172, 75, 161) (12, 224, 66, 145, 195, 245, 23, 97, 250)
 (13, 148, 32, 101, 84, 227, 209, 113, 258) (14, 167, 87, 21, 35, 31, 99, 255, 193) (15, 89, 59, 228, 56, 51, 141,
 196, 168) (16, 264, 207, 205, 142, 269, 128, 70, 36) (17, 211, 156, 65, 218, 268, 57, 60, 129) (19, 185, 136,
 208, 192, 252, 214, 53, 173) (20, 243, 105, 202, 88, 41, 79, 188, 74) (22, 251, 109, 159, 169, 37, 78, 260, 165)
 (25, 42, 134, 68, 203, 137, 265, 140, 121) (26, 58, 63, 190, 206, 71, 189, 176, 28) (27, 178, 213, 180, 122, 257,
 197, 253, 95) (29, 149, 47, 115, 90, 244, 50, 235, 210) (34, 125, 271, 94, 62, 263, 231, 164, 77) (38, 204, 112,
 131, 247, 127, 240, 45, 186) ([...]) , (1, 14, 160, 48, 99, 144, 198, 21, 175) (2, 223, 82, 73, 154, 239, 241,
 220, 135) (3, 76, 191, 81, 222, 238, 102, 270, 107) (4, 100, 88, 103, 5, 243, 110, 72, 188) (6, 156, 182, 44, 129,
 275, 111, 268, 40) (7, 11, 167, 233, 256, 255, 153, 229, 35) (8, 66, 140, 172, 250, 203, 147, 245, 42) (9, 201,
 41, 10, 152, 105, 69, 133, 74) (12, 137, 106, 23, 134, 123, 145, 121, 75) (13, 205, 28, 209, 16, 71, 101, 128, 63)
 (15, 164, 247, 141, 62, 204, 228, 125, 45) (17, 151, 114, 57, 98, 267, 65, 139, 39) (18, 162, 31, 33, 49, 87, 272,
 158, 193) (19, 210, 109, 214, 244, 165, 208, 47, 37) (20, 163, 119, 79, 130, 262, 202, 266, 30) (22, 192, 115,
 78, 185, 29, 159, 53, 50) (24, 254, 249) (25, 161, 224, 265, 170, 97, 68, 221, 195) (26, 113, 264, 189, 84, 70,
 190, 148, 142) (27, 138, 276, 197, 215, 200, 180, 157, 104) (32, 269, 58, 258, 207, 176, 227, 36, 206) (34, 240,
 168, 231, 131, 51, 94, 38, 59) (43, 174, 232, 274, 108, 83, 183, 96, 199) ([...]) , (1, 18, 35) (2, 61, 107) (3,
 223, 126) (4, 202, 133) (5, 163, 41) (6, 219, 57) (7, 14, 162) (8, 265, 23) (9, 88, 30) (10, 243, 119) (11, 160,
 31) (12, 147, 25) (13, 176, 70) (15, 131, 271) (16, 32, 26) (17, 111, 155) (19, 251, 115) (20, 201, 103) (21,
 158, 153) (22, 47, 173) (24, 249, 254) (27, 55, 177) (28, 36, 148) (29, 214, 260) (33, 167, 48) (34, 196, 204)
 (37, 235, 192) (38, 77, 141) (39, 275, 218) (40, 211, 114) (42, 224, 106) (43, 181, 179) (44, 116, 65) (45, 231,
 56) (46, 234, 199) (49, 233, 99) (50, 208, 169) (51, 186, 164) (52, 246, 180) (53, 165, 149) (54, 178, 276) (58,
 264, 101) (59, 127, 62) (60, 267, 182) (63, 207, 84) (64, 120, 108) (66, 170, 134) (67, 83, 226) (68, 145, 172)
 (69, 188, 262) (71, 269, 113) (72, 130, 105) (73, 166, 191) (74, 100, 266) (75, 203, 195) (76, 82, 80) (78, 210,
 252) (79, 152, 110) (81, 154, 236) (85, 197, 92) (86, 102, 220) (87, 256, 144) (89, 247, 94) (90, 185, 109) (91,
 242, 174) (93, 117, 171) (95, 216, 157) ([...]) , (1, 20, 222, 198, 202, 76, 48, 79, 270) (2, 49, 74, 241, 162,

105, 73, 158, 41) (3, 144, 30, 102, 160, 262, 81, 175, 119) (4, 212, 35, 110, 80, 255, 103, 261, 167) (5, 124, 153, 100, 166, 233, 72, 61, 7) (6, 46, 178, 111, 226, 122, 44, 187, 253) (8, 228, 210, 147, 141, 47, 172, 15, 244) (9, 154, 87, 69, 223, 31, 10, 220, 193) (11, 88, 126, 229, 188, 86, 256, 243, 236) (12, 263, 159, 145, 77, 78, 23, 271, 22) (13, 28, 128, 101, 63, 16, 209, 71, 205) (14, 266, 107, 21, 130, 238, 99, 163, 191) (17, 199, 248, 65, 83, 54, 57, 232, 225) (18, 133, 135, 272, 152, 239, 33, 201, 82) (19, 42, 45, 208, 203, 204, 214, 140, 247) (24, 249, 254) (25, 131, 252, 68, 240, 173, 265, 38, 136) (26, 264, 148, 190, 142, 84, 189, 70, 113) (27, 150, 179, 180, 194, 118, 197, 184, 259) (29, 75, 56, 115, 123, 196, 50, 106, 89) (32, 176, 207, 227, 58, 269, 258, 206, 36) (34, 251, 195, 94, 169, 97, 231, 260, 224) (37, 66, 62, 165, 245, 164, 109, 250, 125) ([...]) , (1, 30, 238, 48, 119, 107, 198, 262, 191) (2, 33, 9, 73, 272, 10, 241, 18, 69) (3, 99, 20, 81, 21, 79, 102, 14, 202) (4, 236, 7, 103, 86, 233, 110, 126, 153) (5, 212, 229, 72, 261, 11, 100, 80, 256) (6, 146, 85, 44, 91, 246, 111, 64, 177) (8, 204, 109, 172, 45, 165, 147, 247, 37) (12, 196, 53, 23, 56, 192, 145, 89, 185) (13, 205, 63, 209, 16, 28, 101, 128, 71) (15, 214, 66, 141, 208, 250, 228, 19, 245) (17, 96, 52, 57, 174, 55, 65, 108, 92) (22, 75, 112, 78, 106, 186, 159, 123, 127) (24, 254, 249) (25, 231, 90, 265, 94, 149, 68, 34, 235) (26, 113, 142, 189, 84, 264, 190, 148, 70) (27, 155, 242, 197, 219, 120, 180, 116, 237) (29, 121, 271, 50, 137, 77, 115, 134, 263) (31, 41, 135, 87, 105, 82, 193, 74, 239) (32, 207, 176, 258, 36, 206, 227, 269, 58) (35, 243, 166, 167, 188, 124, 255, 88, 61) (38, 260, 161, 240, 169, 170, 131, 251, 221) (39, 43, 54, 114, 274, 248, 267, 183, 225) (40, 181, 122, 182, 132, 178, 275, 273, 253) ([...]) , (1, 31, 233, 198, 193, 7, 48, 87, 153) (2, 80, 81, 241, 261, 3, 73, 212, 102) (4, 30, 41, 110, 262, 74, 103, 119, 105) (5, 79, 69, 100, 20, 10, 72, 202, 9) (6, 60, 139, 111, 211, 98, 44, 218, 151) (8, 97, 121, 147, 224, 134, 172, 195, 137) (11, 99, 272, 229, 14, 33, 256, 21, 18) (12, 42, 170, 145, 203, 161, 23, 140, 221) (13, 36, 26, 101, 207, 190, 209, 269, 189) (15, 94, 127, 228, 231, 186, 141, 34, 112) (16, 58, 84, 205, 206, 113, 128, 176, 148) (17, 40, 184, 65, 275, 150, 57, 182, 194) (19, 90, 159, 208, 235, 78, 214, 149, 22) (24, 254, 249) (25, 106, 66, 68, 75, 245, 265, 123, 250) (27, 54, 143, 180, 225, 217, 197, 248, 216) (28, 32, 264, 63, 227, 142, 71, 258, 70) (29, 165, 173, 115, 109, 136, 50, 37, 252) (35, 160, 49, 255, 175, 162, 167, 144, 158) (38, 196, 125, 131, 89, 62, 240, 56, 164) (39, 268, 219, 267, 129, 155, 114, 156, 116) (43, 187, 120, 183, 46, 242, 274, 226, 237) (45, 51, 77, 204, 168, 271, 247, 59, 263) ([...]) , (1, 35, 18) (2, 107, 61) (3, 126, 223) (4, 133, 202) (5, 41, 163) (6, 57, 219) (7, 162, 14) (8, 23, 265) (9, 30, 88) (10, 119, 243) (11, 31, 160) (12, 25, 147) (13, 70, 176) (15, 271, 131) (16, 26, 32) (17, 155, 111) (19, 115, 251) (20, 103, 201) (21, 153, 158) (22, 173, 47) (24, 254, 249) (27, 177, 55) (28, 148, 36) (29, 260, 214) (33, 48, 167) (34, 204, 196) (37, 192, 235) (38, 141, 77) (39, 218, 275) (40, 114, 211) (42, 106, 224) (43, 179, 181) (44, 65, 116) (45, 56, 231) (46, 199, 234) (49, 99, 233) (50, 169, 208) (51, 164, 186) (52, 180, 246) (53, 149, 165) (54, 276, 178) (58, 101, 264) (59, 62, 127) (60, 182, 267) (63, 84, 207) (64, 108, 120) (66, 134, 170) (67, 226, 83) (68, 172, 145) (69, 262, 188) (71, 113, 269) (72, 105, 130) (73, 191, 166) (74, 266, 100) (75, 195, 203) (76, 80, 82) (78, 252, 210) (79, 110, 152) (81, 236, 154) (85, 92, 197) (86, 220, 102) (87, 144, 256) (89, 94, 247) (90, 109, 185) (91, 174, 242) (93, 171, 117) (95, 157, 216) ([...]) , (1, 41, 126) (2, 256, 79) (3, 272, 72) (4, 238, 87) (5, 102, 33) (6, 179, 95) (7, 119, 82) (8, 168, 50) (9, 212, 14) (10, 261, 99) (11, 20, 241) (12, 125, 251) (13, 206, 142) (15, 149, 75) (16, 32, 190) (17, 181, 138) (18, 100, 81) (19, 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163, 202, 119, 266, 79, 30, 130) (22, 29, 192, 159, 115, 53, 78, 50, 185) (24, 249, 254) (25, 97, 161, 68, 224, 221, 265, 195, 170) (26, 70, 113, 190, 264, 148, 189, 142, 84) (27, 200, 138, 180, 276, 157, 197, 104, 215) (32, 176, 269, 227, 58, 36, 258, 206, 207) (34, 51, 240, 94, 168, 38, 231, 59, 131) (43, 83, 174, 183, 232, 96, 274, 199, 108) ([...]) , (1, 153, 87, 48, 7, 193, 198, 233, 31) (2, 102, 212, 73, 3, 261, 241, 81, 80) (4, 105, 119, 103, 74, 262, 110, 41, 30) (5, 9, 202, 72, 10, 20, 100, 69, 79) (6, 151, 218, 44, 98, 211, 111, 139, 60) (8, 137, 195, 172, 134, 224, 147, 121, 97) (11, 18, 21, 256, 33, 14, 229, 272, 99) (12, 221, 140, 23, 161, 203, 145, 170, 42) (13, 189, 269, 209, 190, 207, 101, 26, 36) (15, 112, 34, 141, 186, 231, 228, 127, 94) (16, 148, 176, 128, 113, 206, 205, 84, 58) (17, 194, 182, 57, 150, 275, 65, 184, 40) (19, 22, 149, 214, 78, 235, 208, 159, 90) (24, 249, 254) (25, 250, 123, 265, 245, 75, 68, 66, 106) (27, 216, 248, 197, 217, 225, 180, 143, 54) (28, 70, 258, 71, 142, 227, 63, 264, 32) (29, 252, 37, 50, 136, 109, 115, 173, 165) (35, 158, 144, 167, 162, 175, 255, 49, 160) (38, 164, 56, 240, 62, 89, 131, 125, 196) (39, 116, 156, 114, 155, 129, 267, 219, 268) (43, 237, 226, 274, 242, 46, 183, 120, 187) (45, 263, 59, 247, 271, 168, 204, 77, 51) ([...]) , (1, 154, 72) (2, 4, 175) (3, 74, 35) (5, 198, 223) (6, 138, 274) (7, 222, 69) (8, 251, 186) (9, 233, 270) (10, 153, 76) (11, 107, 152) (12, 214, 51) (13, 58, 264) (14, 135, 243) (15, 224, 192) (16, 32, 189) (17, 143, 259) (18, 86, 163) (19, 168, 145) (20, 87, 61) (21, 239, 88) (22, 204, 170) (23, 208, 59) (24, 249, 254) (25, 115, 62) (26, 205, 227) (27, 199, 182) (28, 269, 148) (29, 125, 265) (30, 162, 80) (31, 124, 202) (33, 126, 130) (34, 121, 244) (36, 84, 63) (37, 38, 75) (39, 177, 67) (40, 180, 83) (41, 167, 81) (42, 149, 77) (43, 111, 157) (44, 215, 183) (45, 221, 78) (46, 218, 52) (47, 231, 137) (48, 220, 100) (49, 212, 119) (50, 164, 68) (53, 228, 195) (54, 91, 194) (55, 187, 211) (56, 66, 136) (57, 216, 118) (60, 92, 226) (64, 150, 248) (65, 217, 179) (70, 209, 176) (71, 207, 113) (73, 103, 160) (79, 193, 166) (82, 188, 99) (85, 234, 114) (89, 250, 173) (90, 271, 203) (93, 117, 171) (94, 134, 210) (95, 132, 116) (96, 268, 276) (97, 185, 141) ([...]) , (1, 193, 153, 198, 87, 233, 48, 31, 7) (2, 261, 102, 241, 212, 81, 73, 80, 3) (4, 262, 105, 110, 119, 41, 103, 30, 74) (5, 20, 9, 100, 202, 69, 72, 79, 10) (6, 211, 151, 111, 218, 139, 44, 60, 98) (8, 224, 137, 147, 195, 121, 172, 97, 134) (11, 14, 18, 229, 21, 272, 256, 99, 33) (12, 203, 221, 145, 140, 170, 23, 42, 161) (13, 207, 189, 101, 269, 26, 209, 36, 190) (15, 231, 112, 228, 34, 127, 141, 94, 186) (16, 206, 148, 205, 176, 84, 128, 58, 113) (17, 275, 194, 65, 182, 184, 57, 40, 150) (19, 235, 22, 208, 149, 159, 214, 90, 78) (24, 254, 249) (25, 75, 250, 68, 123, 66, 265, 106, 245) (27, 225, 216, 180, 248, 143, 197, 54, 217) (28, 227, 70, 63, 258, 264, 71, 32, 142) (29, 109, 252, 115, 37, 173, 50, 165, 136) (35, 175, 158, 255, 144, 49, 167, 160, 162) (38, 89, 164, 131, 56, 125, 240, 196, 62) (39, 129, 116, 267, 156, 219, 114, 268, 155) (43, 46, 237, 183, 226, 120, 274, 187, 242) (45, 168, 263, 204, 59, 77, 247, 51, 271) ([...]) , (1, 198, 48) (2, 241, 73) (3, 102, 81) (4, 110, 103) (5, 100, 72) (6, 111, 44) (7, 153, 233) (8, 147, 172) (9, 69, 10) (11, 229, 256) (12, 145, 23) (13, 101, 209) (14, 21, 99) (15, 228, 141) (16, 205, 128) (17, 65, 57) (18, 272, 33) (19, 208, 214) (20, 202, 79) (22, 159, 78) (25, 68, 265) (26, 190, 189) (27, 180, 197) (28, 63, 71) (29, 115, 50) (30, 262, 119) (31, 193, 87) (32, 227, 258) (34, 94, 231) (35, 255, 167) (36, 207, 269) (37, 165, 109) (38, 131, 240) (39, 267, 114) (40, 275, 182) (41, 74, 105) (42, 203, 140) (43, 183, 274) (45, 204, 247) (46, 226, 187) (47, 244, 210) (49, 162, 158) (51, 168, 59) (52, 92, 55) (53, 185, 192) (54, 225, 248) (56, 196, 89) (58, 206, 176) (60, 211, 218) (61, 124, 166) (62, 164, 125) (64, 91, 146) (66, 245, 250) (67, 230, 234) (70, 264, 142) (75, 123, 106) (76, 270, 222) (77, 271, 263) (80, 261, 212) (82, 135, 239) (83, 232, 199) (84, 113, 148) (85, 177, 246) (86, 236, 126) (88, 188, 243) (90, 235, 149) (95, 213, 257) ([...]) , (1, 233, 193, 48, 153, 31, 198, 7, 87) (2, 81, 261, 73, 102, 80, 241, 3, 212) (4, 41, 262,

103, 105, 30, 110, 74, 119) (5, 69, 20, 72, 9, 79, 100, 10, 202) (6, 139, 211, 44, 151, 60, 111, 98, 218) (8, 121, 224, 172, 137, 97, 147, 134, 195) (11, 272, 14, 256, 18, 99, 229, 33, 21) (12, 170, 203, 23, 221, 42, 145, 161, 140) (13, 26, 207, 209, 189, 36, 101, 190, 269) (15, 127, 231, 141, 112, 94, 228, 186, 34) (16, 84, 206, 128, 148, 58, 205, 113, 176) (17, 184, 275, 57, 194, 40, 65, 150, 182) (19, 159, 235, 214, 22, 90, 208, 78, 149) (24, 249, 254) (25, 66, 75, 265, 250, 106, 68, 245, 123) (27, 143, 225, 197, 216, 54, 180, 217, 248) (28, 264, 227, 71, 70, 32, 63, 142, 258) (29, 173, 109, 50, 252, 165, 115, 136, 37) (35, 49, 175, 167, 158, 160, 255, 162, 144) (38, 125, 89, 240, 164, 196, 131, 62, 56) (39, 219, 129, 114, 116, 268, 267, 155, 156) (43, 120, 46, 274, 237, 187, 183, 242, 226) (45, 77, 168, 247, 263, 51, 204, 271, 59) ([...]).

The character table of $G^{s_{42}}$:

	10										20									
$\chi_{42}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{42}^{(2)}$	1	1	1	A	/A	1	/A	A	A	A	/A	A	1	/A	A	A	1	/A	/A	1
$\chi_{42}^{(3)}$	1	1	1	/A	A	1	A	/A	/A	/A	A	/A	1	A	/A	/A	1	A	A	1
$\chi_{42}^{(4)}$	1	1	A	1	1	A	A	A	1	/A	/A	/A	/A	A	A	1	/A	/A	A	1
$\chi_{42}^{(5)}$	1	1	/A	1	1	/A	/A	/A	1	A	A	A	A	/A	/A	1	A	A	/A	A
$\chi_{42}^{(6)}$	1	1	A	A	/A	A	1	/A	A	1	A	1	/A	1	/A	1	A	1	/A	/A
$\chi_{42}^{(7)}$	1	1	/A	/A	A	/A	1	A	/A	1	/A	1	A	1	A	1	/A	1	A	A
$\chi_{42}^{(8)}$	1	1	A	/A	A	A	/A	1	/A	A	1	A	/A	/A	1	1	1	A	1	/A
$\chi_{42}^{(9)}$	1	1	/A	A	/A	/A	A	1	A	/A	1	/A	A	A	1	1	1	/A	1	A
$\chi_{42}^{(10)}$	1	A	1	1	A	/A	1	1	A	/A	/A	A	A	A	/A	1	1	1	A	/A
$\chi_{42}^{(11)}$	1	/A	1	1	/A	A	1	1	/A	A	A	/A	/A	/A	A	1	1	1	/A	A
$\chi_{42}^{(12)}$	1	A	1	A	1	/A	/A	A	/A	1	A	/A	A	1	1	1	/A	A	/A	/A
$\chi_{42}^{(13)}$	1	/A	1	/A	1	A	A	/A	A	1	/A	A	/A	1	1	1	A	/A	A	A
$\chi_{42}^{(14)}$	1	A	1	/A	/A	/A	A	/A	1	A	1	1	A	/A	A	1	A	/A	1	/A
$\chi_{42}^{(15)}$	1	/A	1	A	A	A	/A	A	1	/A	1	1	/A	A	/A	1	/A	A	1	A
$\chi_{42}^{(16)}$	1	A	A	1	A	1	A	A	A	A	A	1	1	/A	1	1	/A	/A	/A	A
$\chi_{42}^{(17)}$	1	/A	/A	1	/A	1	/A	/A	/A	/A	/A	1	1	A	1	1	A	A	A	/A
$\chi_{42}^{(18)}$	1	A	A	A	1	1	1	/A	/A	/A	1	A	1	A	A	1	A	1	1	A
$\chi_{42}^{(19)}$	1	/A	/A	/A	1	1	1	A	A	A	1	/A	1	/A	/A	1	/A	1	1	/A
$\chi_{42}^{(20)}$	1	A	A	/A	/A	1	/A	1	1	1	/A	/A	1	1	/A	1	1	A	A	A
$\chi_{42}^{(21)}$	1	/A	/A	A	A	1	A	1	1	1	A	A	1	1	A	1	1	/A	/A	/A
$\chi_{42}^{(22)}$	1	A	/A	1	A	A	/A	/A	A	1	1	/A	/A	1	A	1	A	A	1	1
$\chi_{42}^{(23)}$	1	/A	A	1	/A	/A	A	A	/A	1	1	A	A	1	/A	1	/A	/A	1	1
$\chi_{42}^{(24)}$	1	A	/A	A	1	A	A	1	/A	A	/A	1	/A	/A	/A	1	1	/A	A	1
$\chi_{42}^{(25)}$	1	/A	A	/A	1	/A	/A	1	A	/A	A	1	A	A	A	1	1	A	/A	1
$\chi_{42}^{(26)}$	1	A	/A	/A	/A	A	1	A	1	/A	A	A	/A	A	1	1	/A	1	/A	1
$\chi_{42}^{(27)}$	1	/A	A	A	A	/A	1	/A	1	A	/A	/A	A	/A	1	1	A	1	A	1
$\chi_{42}^{(28)}$	3	.	.	.	.	B	.	.	.	.	.	/D	.	.	E	.	.	.	.	/C
$\chi_{42}^{(29)}$	3	.	.	.	.	C	.	.	.	.	.	/B	.	.	E	.	.	.	.	/D
$\chi_{42}^{(30)}$	3	.	.	.	.	D	.	.	.	.	.	/C	.	.	E	.	.	.	.	/B
$\chi_{42}^{(31)}$	3	.	.	.	.	/D	.	.	.	.	.	C	.	.	/E	.	.	.	.	B
$\chi_{42}^{(32)}$	3	.	.	.	.	/C	.	.	.	.	.	B	.	.	/E	.	.	.	.	D
$\chi_{42}^{(33)}$	3	.	.	.	.	/B	.	.	.	.	.	D	.	.	/E	.	.	.	.	C

$\chi_{42}^{(1)}$	1	1	1	1	1	1	1	1
$\chi_{42}^{(2)}$	1	1	/A	1	A	1	1	1
$\chi_{42}^{(3)}$	1	1	A	1	/A	1	1	1
$\chi_{42}^{(4)}$	/A	A	1	A	1	/A	1	A
$\chi_{42}^{(5)}$	A	/A	1	/A	1	A	1	/A
$\chi_{42}^{(6)}$	/A	A	/A	A	A	/A	1	A
$\chi_{42}^{(7)}$	A	/A	A	/A	/A	A	1	/A
$\chi_{42}^{(8)}$	/A	A	A	A	/A	/A	1	A
$\chi_{42}^{(9)}$	A	/A	/A	/A	A	A	1	/A
$\chi_{42}^{(10)}$	1	A	/A	/A	/A	A	1	/A
$\chi_{42}^{(11)}$	1	/A	A	A	A	/A	1	A
$\chi_{42}^{(12)}$	1	A	A	/A	1	A	1	/A
$\chi_{42}^{(13)}$	1	/A	/A	A	1	/A	1	A
$\chi_{42}^{(14)}$	1	A	1	/A	A	A	1	/A
$\chi_{42}^{(15)}$	1	/A	1	A	/A	/A	1	A
$\chi_{42}^{(16)}$	/A	/A	/A	1	/A	1	1	1
$\chi_{42}^{(17)}$	A	A	A	1	A	1	1	1
$\chi_{42}^{(18)}$	/A	/A	A	1	1	1	1	1
$\chi_{42}^{(19)}$	A	A	/A	1	1	1	1	1
$\chi_{42}^{(20)}$	/A	/A	1	1	A	1	1	1
$\chi_{42}^{(21)}$	A	A	1	1	/A	1	1	1
$\chi_{42}^{(22)}$	A	1	/A	A	/A	/A	1	A
$\chi_{42}^{(23)}$	/A	1	A	/A	A	A	1	/A
$\chi_{42}^{(24)}$	A	1	A	A	1	/A	1	A
$\chi_{42}^{(25)}$	/A	1	/A	/A	1	A	1	/A
$\chi_{42}^{(26)}$	A	1	1	A	A	/A	1	A
$\chi_{42}^{(27)}$	/A	1	1	/A	/A	A	1	/A
$\chi_{42}^{(28)}$	.	.	.	D	.	/B	/E	C
$\chi_{42}^{(29)}$	.	.	.	B	.	/C	/E	D
$\chi_{42}^{(30)}$	.	.	.	C	.	/D	/E	B
$\chi_{42}^{(31)}$	.	.	.	/C	.	D	E	/B
$\chi_{42}^{(32)}$	.	.	.	/B	.	C	E	/D
$\chi_{42}^{(33)}$	.	.	.	/D	.	B	E	/C

where $A=E(3)^2=(-1-ER(-3))/2=-1-b_3$; $B=-3^*E(9)^2-3^*E(9)^5$; $C=3^*E(9)^5$; $D=3^*E(9)^2$; $E=3^*E(3)^2=(-3-3^*ER(-3))/2=-3-3b_3$.

3. APPENDIX

In this section G denotes a Suzuki group $Sz(8)$ (see [GAP]).

The order of G is 29120.

$Sz(2^3)$ The generators of G are:

$$\begin{pmatrix} Z(2)^0 & 0 * Z(2) & 0 * Z(2) & 0 * Z(2) \\ Z(2)^0 & Z(2)^0 & 0 * Z(2) & 0 * Z(2) \\ Z(2^3)^3 & Z(2)^0 & Z(2)^0 & 0 * Z(2) \\ Z(2^3)^6 & Z(2^3) & Z(2)^0 & Z(2)^0 \end{pmatrix}, \begin{pmatrix} 0 * Z(2) & 0 * Z(2) & 0 * Z(2) & Z(2)^0 \\ 0 * Z(2) & 0 * Z(2) & Z(2)^0 & 0 * Z(2) \\ 0 * Z(2) & Z(2)^0 & 0 * Z(2) & 0 * Z(2) \\ Z(2)^0 & 0 * Z(2) & 0 * Z(2) & 0 * Z(2) \end{pmatrix}.$$

The representatives of conjugacy classes of G are:

$$\begin{aligned}
 s_1 &= \begin{pmatrix} Z(2)^0 & 0 * Z(2) & 0 * Z(2) & 0 * Z(2) \\ 0 * Z(2) & Z(2)^0 & 0 * Z(2) & 0 * Z(2) \\ 0 * Z(2) & 0 * Z(2) & Z(2)^0 & 0 * Z(2) \\ 0 * Z(2) & 0 * Z(2) & 0 * Z(2) & Z(2)^0 \end{pmatrix}, s_2 = \begin{pmatrix} Z(2^3)^4 & Z(2^3)^6 & Z(2^3)^4 & Z(2^3)^5 \\ 0 * Z(2) & Z(2^3)^5 & Z(2^3)^6 & Z(2^3)^6 \\ Z(2^3)^4 & Z(2^3)^6 & Z(2^3) & Z(2)^0 \\ Z(2^3)^4 & Z(2^3) & Z(2^3)^3 & Z(2)^0 \end{pmatrix}, \\
 s_3 &= \begin{pmatrix} Z(2^3)^2 & Z(2^3)^3 & 0 * Z(2) & Z(2^3) \\ 0 * Z(2) & Z(2^3)^6 & Z(2^3)^3 & Z(2^3)^4 \\ Z(2^3)^3 & Z(2^3)^4 & Z(2^3) & 0 * Z(2) \\ Z(2^3)^6 & 0 * Z(2) & Z(2^3)^4 & Z(2^3)^5 \end{pmatrix}, s_4 = \begin{pmatrix} Z(2^3) & Z(2^3)^2 & Z(2^3)^5 & Z(2^3)^5 \\ Z(2^3)^3 & Z(2^3)^6 & 0 * Z(2) & Z(2^3) \\ Z(2^3)^4 & Z(2)^0 & Z(2^3)^4 & Z(2^3)^3 \\ Z(2^3)^6 & Z(2)^0 & Z(2^3)^4 & Z(2^3)^5 \end{pmatrix}, \\
 s_5 &= \begin{pmatrix} Z(2^3) & Z(2^3) & Z(2^3)^4 & Z(2)^0 \\ Z(2^3)^4 & Z(2^3)^6 & Z(2^3) & Z(2^3)^6 \\ Z(2^3)^3 & Z(2)^0 & Z(2)^0 & Z(2^3)^4 \\ Z(2^3)^4 & Z(2^3)^5 & Z(2)^0 & Z(2^3)^6 \end{pmatrix}, s_6 = \begin{pmatrix} Z(2^3)^2 & Z(2^3)^2 & Z(2^3)^2 & Z(2^3)^2 \\ Z(2)^0 & Z(2^3)^2 & Z(2^3)^2 & Z(2)^0 \\ Z(2)^0 & Z(2^3)^4 & Z(2^3)^2 & Z(2^3)^3 \\ Z(2^3)^3 & Z(2^3)^4 & Z(2^3)^3 & Z(2)^0 \end{pmatrix}, \\
 s_7 &= \begin{pmatrix} Z(2)^0 & 0 * Z(2) & Z(2)^0 & Z(2)^0 \\ Z(2^3)^5 & Z(2)^0 & Z(2^3)^5 & Z(2^3)^4 \\ Z(2^3)^3 & Z(2^3)^6 & Z(2^3) & Z(2^3)^4 \\ Z(2)^0 & Z(2^3)^6 & Z(2^3)^4 & Z(2^3)^6 \end{pmatrix}, s_8 = \begin{pmatrix} Z(2^3)^4 & Z(2)^0 & 0 * Z(2) & Z(2^3) \\ Z(2^3)^6 & Z(2^3)^3 & Z(2^3)^3 & Z(2^3)^4 \\ Z(2)^0 & Z(2^3)^4 & Z(2^3) & 0 * Z(2) \\ Z(2^3)^2 & Z(2^3)^5 & Z(2^3)^4 & Z(2^3)^5 \end{pmatrix}, \\
 s_9 &= \begin{pmatrix} Z(2^3)^5 & 0 * Z(2) & Z(2^3)^4 & Z(2^3) \\ Z(2^3)^4 & Z(2^3) & Z(2^3)^3 & 0 * Z(2) \\ Z(2^3)^5 & Z(2^3)^4 & Z(2^3)^3 & Z(2)^0 \\ Z(2^3)^2 & Z(2)^0 & Z(2^3)^6 & Z(2^3)^4 \end{pmatrix}, s_{10} = \begin{pmatrix} Z(2^3)^2 & 0 * Z(2) & Z(2^3)^2 & Z(2^3)^2 \\ Z(2)^0 & Z(2^3)^6 & Z(2)^0 & Z(2^3)^2 \\ Z(2^3)^5 & Z(2^3)^5 & Z(2^3)^6 & 0 * Z(2) \\ Z(2^3)^2 & Z(2^3)^5 & Z(2)^0 & Z(2^3)^2 \end{pmatrix}, \\
 s_{11} &= \begin{pmatrix} Z(2^3)^4 & Z(2^3) & Z(2^3)^4 & Z(2^3)^6 \\ Z(2^3)^5 & Z(2^3)^3 & Z(2^3)^4 & 0 * Z(2) \\ Z(2^3)^6 & Z(2^3)^5 & Z(2^3)^5 & Z(2)^0 \\ Z(2^3)^6 & Z(2)^0 & Z(2^3)^6 & Z(2^3)^3 \end{pmatrix}.
 \end{aligned}$$

The character table of G^{s_1} :

	10									
$\chi_1^{(1)}$	1	1	1	1	1	1	1	1	1	1
$\chi_1^{(2)}$	14	.	.	.	1	1	1	G	-G	-2
$\chi_1^{(3)}$	14	.	.	.	1	1	1	-G	G	-2
$\chi_1^{(4)}$	35	.	.	.	D	E	F	-1	-1	3
$\chi_1^{(5)}$	35	.	.	.	E	F	D	-1	-1	3
$\chi_1^{(6)}$	35	.	.	.	F	D	E	-1	-1	3
$\chi_1^{(7)}$	64	1	1	1	-1	-1	-1	.	.	-1
$\chi_1^{(8)}$	65	A	C	B	.	.	.	1	1	1
$\chi_1^{(9)}$	65	B	A	C	.	.	.	1	1	1
$\chi_1^{(10)}$	65	C	B	A	.	.	.	1	1	1
$\chi_1^{(11)}$	91	.	.	.	.	.	.	-1	-1	-5

where $A = E(7)^2 + E(7)^5$; $B = E(7) + E(7)^6$; $C = E(7)^3 + E(7)^4$; $D = -E(13)^4 - E(13)^6 - E(13)^7 - E(13)^9$; $E = -E(13) - E(13)^5 - E(13)^8 - E(13)^{12}$; $F = -E(13)^2 - E(13)^3 - E(13)^{10} - E(13)^{11}$; $G = -2^*E(4) = -2^*ER(-1) = -2i$.

The generators, the representatives of conjugacy classes and character table of G^{s_1} are the same as G since $G = G^{s_1} = G$.

The generators of G^{s_2} are:

$$\begin{pmatrix} Z(2^3)^4 & Z(2^3)^6 & Z(2^3)^4 & Z(2^3)^5 \\ 0 * Z(2) & Z(2^3)^5 & Z(2^3)^6 & Z(2^3)^6 \\ Z(2^3)^4 & Z(2^3)^6 & Z(2^3) & Z(2)^0 \\ Z(2^3)^4 & Z(2^3) & Z(2^3)^3 & Z(2)^0 \end{pmatrix}$$

The representatives of conjugacy classes of G^{s_2} are:

$$\begin{pmatrix} Z(2)^0 & 0 * Z(2) & 0 * Z(2) & 0 * Z(2) \\ 0 * Z(2) & Z(2)^0 & 0 * Z(2) & 0 * Z(2) \\ 0 * Z(2) & 0 * Z(2) & Z(2)^0 & 0 * Z(2) \\ 0 * Z(2) & 0 * Z(2) & 0 * Z(2) & Z(2)^0 \end{pmatrix}, \begin{pmatrix} Z(2)^0 & Z(2)^0 & Z(2^3)^6 & Z(2^3)^5 \\ Z(2^3)^3 & Z(2^3) & Z(2^3)^6 & Z(2^3)^4 \\ Z(2^3) & Z(2^3)^6 & Z(2^3)^5 & Z(2^3)^6 \\ Z(2^3)^4 & Z(2^3)^4 & 0 * Z(2) & Z(2^3)^4 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3) & Z(2^3)^2 & Z(2^3)^5 & Z(2^3)^5 \\ Z(2^3)^3 & Z(2^3)^6 & 0 * Z(2) & Z(2^3) \\ Z(2^3)^4 & Z(2)^0 & Z(2^3)^4 & Z(2^3)^3 \\ Z(2^3)^6 & Z(2)^0 & Z(2^3)^4 & Z(2^3)^5 \end{pmatrix}, \begin{pmatrix} Z(2^3)^2 & Z(2^3)^3 & 0 * Z(2) & Z(2^3) \\ 0 * Z(2) & Z(2^3)^6 & Z(2^3)^3 & Z(2^3)^4 \\ Z(2^3)^3 & Z(2^3)^4 & Z(2^3) & 0 * Z(2) \\ Z(2^3)^6 & 0 * Z(2) & Z(2^3)^4 & Z(2^3)^5 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^4 & Z(2^3)^6 & Z(2^3)^4 & Z(2^3)^5 \\ 0 * Z(2) & Z(2^3)^5 & Z(2^3)^6 & Z(2^3)^6 \\ Z(2^3)^4 & Z(2^3)^6 & Z(2^3) & Z(2)^0 \\ Z(2^3)^4 & Z(2^3) & Z(2^3)^3 & Z(2)^0 \end{pmatrix}, \begin{pmatrix} Z(2^3)^5 & 0 * Z(2) & Z(2^3)^4 & Z(2^3) \\ Z(2^3)^4 & Z(2^3) & Z(2^3)^3 & 0 * Z(2) \\ 0 * Z(2) & Z(2^3)^4 & Z(2^3)^6 & Z(2^3)^3 \\ Z(2^3)^6 & Z(2^3)^3 & 0 * Z(2) & Z(2^3)^2 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^5 & Z(2^3)^3 & Z(2^3) & Z(2^3)^5 \\ Z(2^3)^4 & Z(2^3)^4 & 0 * Z(2) & Z(2^3)^5 \\ Z(2)^0 & Z(2)^0 & Z(2^3)^6 & Z(2^3)^2 \\ Z(2^3)^6 & Z(2^3)^4 & Z(2^3)^3 & Z(2^3) \end{pmatrix}.$$

The character table of G^{s_2} :

	1	1	1	1	1	1	1
$\chi_2^{(1)}$	1	1	1	1	1	1	1
$\chi_2^{(2)}$	1	A	/C	/B	/A	B	C
$\chi_2^{(3)}$	1	B	A	C	/B	/C	/A
$\chi_2^{(4)}$	1	C	/B	A	/C	/A	B
$\chi_2^{(5)}$	1	/C	B	/A	C	A	/B
$\chi_2^{(6)}$	1	/B	/A	/C	B	C	A
$\chi_2^{(7)}$	1	/A	C	B	A	/B	/C

where $A = E(7)^6$; $B = E(7)^5$; $C = E(7)^4$.

The generators of G^{s_3} are:

$$\begin{pmatrix} Z(2^3)^2 & Z(2^3)^3 & 0 * Z(2) & Z(2^3) \\ 0 * Z(2) & Z(2^3)^6 & Z(2^3)^3 & Z(2^3)^4 \\ Z(2^3)^3 & Z(2^3)^4 & Z(2^3) & 0 * Z(2) \\ Z(2^3)^6 & 0 * Z(2) & Z(2^3)^4 & Z(2^3)^5 \end{pmatrix}$$

The representatives of conjugacy classes of G^{s_3} are:

$$\begin{pmatrix} Z(2)^0 & 0 * Z(2) & 0 * Z(2) & 0 * Z(2) \\ 0 * Z(2) & Z(2)^0 & 0 * Z(2) & 0 * Z(2) \\ 0 * Z(2) & 0 * Z(2) & Z(2)^0 & 0 * Z(2) \\ 0 * Z(2) & 0 * Z(2) & 0 * Z(2) & Z(2)^0 \end{pmatrix}, \begin{pmatrix} Z(2)^0 & Z(2)^0 & Z(2^3)^6 & Z(2^3)^5 \\ Z(2^3)^3 & Z(2^3) & Z(2^3)^6 & Z(2^3)^4 \\ Z(2^3) & Z(2^3)^6 & Z(2^3)^5 & Z(2^3)^6 \\ Z(2^3)^4 & Z(2^3)^4 & 0 * Z(2) & Z(2^3)^4 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3) & Z(2^3)^2 & Z(2^3)^5 & Z(2^3)^5 \\ Z(2^3)^3 & Z(2^3)^6 & 0 * Z(2) & Z(2^3) \\ Z(2^3)^4 & Z(2)^0 & Z(2^3)^4 & Z(2^3)^3 \\ Z(2^3)^6 & Z(2)^0 & Z(2^3)^4 & Z(2^3)^5 \end{pmatrix}, \begin{pmatrix} Z(2^3)^2 & Z(2^3)^3 & 0 * Z(2) & Z(2^3) \\ 0 * Z(2) & Z(2^3)^6 & Z(2^3)^3 & Z(2^3)^4 \\ Z(2^3)^3 & Z(2^3)^4 & Z(2^3) & 0 * Z(2) \\ Z(2^3)^6 & 0 * Z(2) & Z(2^3)^4 & Z(2^3)^5 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^4 & Z(2^3)^6 & Z(2^3)^4 & Z(2^3)^5 \\ 0 * Z(2) & Z(2^3)^5 & Z(2^3)^6 & Z(2^3)^6 \\ Z(2^3)^4 & Z(2^3)^6 & Z(2^3) & Z(2)^0 \\ Z(2^3)^4 & Z(2^3) & Z(2^3)^3 & Z(2)^0 \end{pmatrix}, \begin{pmatrix} Z(2^3)^5 & 0 * Z(2) & Z(2^3)^4 & Z(2^3) \\ Z(2^3)^4 & Z(2^3) & Z(2^3)^3 & 0 * Z(2) \\ 0 * Z(2) & Z(2^3)^4 & Z(2^3)^6 & Z(2^3)^3 \\ Z(2^3)^6 & Z(2^3)^3 & 0 * Z(2) & Z(2^3)^2 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^5 & Z(2^3)^3 & Z(2^3) & Z(2^3)^5 \\ Z(2^3)^4 & Z(2^3)^4 & 0 * Z(2) & Z(2^3)^5 \\ Z(2)^0 & Z(2)^0 & Z(2^3)^6 & Z(2^3)^2 \\ Z(2^3)^6 & Z(2^3)^4 & Z(2^3)^3 & Z(2^3) \end{pmatrix}.$$

The character table of G^{s_3} :

$\chi_3^{(1)}$	1	1	1	1	1	1	1
$\chi_3^{(2)}$	1	A	/C	/B	/A	B	C
$\chi_3^{(3)}$	1	B	A	C	/B	/C	/A
$\chi_3^{(4)}$	1	C	/B	A	/C	/A	B
$\chi_3^{(5)}$	1	/C	B	/A	C	A	/B
$\chi_3^{(6)}$	1	/B	/A	/C	B	C	A
$\chi_3^{(7)}$	1	/A	C	B	A	/B	/C

where $A = E(7)^3$; $B = E(7)^6$; $C = E(7)^2$.

The generators of G^{s_4} are:

$$\begin{pmatrix} Z(2^3) & Z(2^3)^2 & Z(2^3)^5 & Z(2^3)^5 \\ Z(2^3)^3 & Z(2^3)^6 & 0 * Z(2) & Z(2^3) \\ Z(2^3)^4 & Z(2)^0 & Z(2^3)^4 & Z(2^3)^3 \\ Z(2^3)^6 & Z(2)^0 & Z(2^3)^4 & Z(2^3)^5 \end{pmatrix}$$

The representatives of conjugacy classes of G^{s_4} are:

$$\begin{pmatrix} Z(2)^0 & 0 * Z(2) & 0 * Z(2) & 0 * Z(2) \\ 0 * Z(2) & Z(2)^0 & 0 * Z(2) & 0 * Z(2) \\ 0 * Z(2) & 0 * Z(2) & Z(2)^0 & 0 * Z(2) \\ 0 * Z(2) & 0 * Z(2) & 0 * Z(2) & Z(2)^0 \end{pmatrix}, \begin{pmatrix} Z(2)^0 & Z(2)^0 & Z(2^3)^6 & Z(2^3)^5 \\ Z(2^3)^3 & Z(2^3) & Z(2^3)^6 & Z(2^3)^4 \\ Z(2^3) & Z(2^3)^6 & Z(2^3)^5 & Z(2^3)^6 \\ Z(2^3)^4 & Z(2^3)^4 & 0 * Z(2) & Z(2^3)^4 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3) & Z(2^3)^2 & Z(2^3)^5 & Z(2^3)^5 \\ Z(2^3)^3 & Z(2^3)^6 & 0 * Z(2) & Z(2^3) \\ Z(2^3)^4 & Z(2)^0 & Z(2^3)^4 & Z(2^3)^3 \\ Z(2^3)^6 & Z(2)^0 & Z(2^3)^4 & Z(2^3)^5 \end{pmatrix}, \begin{pmatrix} Z(2^3)^2 & Z(2^3)^3 & 0 * Z(2) & Z(2^3) \\ 0 * Z(2) & Z(2^3)^6 & Z(2^3)^3 & Z(2^3)^4 \\ Z(2^3)^3 & Z(2^3)^4 & Z(2^3) & 0 * Z(2) \\ Z(2^3)^6 & 0 * Z(2) & Z(2^3)^4 & Z(2^3)^5 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^4 & Z(2^3)^6 & Z(2^3)^4 & Z(2^3)^5 \\ 0 * Z(2) & Z(2^3)^5 & Z(2^3)^6 & Z(2^3)^6 \\ Z(2^3)^4 & Z(2^3)^6 & Z(2^3) & Z(2)^0 \\ Z(2^3)^4 & Z(2^3) & Z(2^3)^3 & Z(2)^0 \end{pmatrix}, \begin{pmatrix} Z(2^3)^5 & 0 * Z(2) & Z(2^3)^4 & Z(2^3) \\ Z(2^3)^4 & Z(2^3) & Z(2^3)^3 & 0 * Z(2) \\ 0 * Z(2) & Z(2^3)^4 & Z(2^3)^6 & Z(2^3)^3 \\ Z(2^3)^6 & Z(2^3)^3 & 0 * Z(2) & Z(2^3)^2 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^5 & Z(2^3)^3 & Z(2^3) & Z(2^3)^5 \\ Z(2^3)^4 & Z(2^3)^4 & 0 * Z(2) & Z(2^3)^5 \\ Z(2)^0 & Z(2)^0 & Z(2^3)^6 & Z(2^3)^2 \\ Z(2^3)^6 & Z(2^3)^4 & Z(2^3)^3 & Z(2^3) \end{pmatrix}.$$

The character table of G^{s_4} :

$\chi_4^{(1)}$	1	1	1	1	1	1	1
$\chi_4^{(2)}$	1	A	/C	/B	/A	B	C
$\chi_4^{(3)}$	1	B	A	C	/B	/C	/A
$\chi_4^{(4)}$	1	C	/B	A	/C	/A	B
$\chi_4^{(5)}$	1	/C	B	/A	C	A	/B
$\chi_4^{(6)}$	1	/B	/A	/C	B	C	A
$\chi_4^{(7)}$	1	/A	C	B	A	/B	/C

where $A = E(7)^2$; $B = E(7)^4$; $C = E(7)^6$.

The generators of G^{s_5} are:

$$\begin{pmatrix} Z(2^3) & Z(2^3) & Z(2^3)^4 & Z(2)^0 \\ Z(2^3)^4 & Z(2^3)^6 & Z(2^3) & Z(2^3)^6 \\ Z(2^3)^3 & Z(2)^0 & Z(2)^0 & Z(2^3)^4 \\ Z(2^3)^4 & Z(2^3)^5 & Z(2)^0 & Z(2^3)^6 \end{pmatrix}$$

The representatives of conjugacy classes of G^{s_5} are:

$$\begin{pmatrix} Z(2)^0 & 0 * Z(2) & 0 * Z(2) & 0 * Z(2) \\ 0 * Z(2) & Z(2)^0 & 0 * Z(2) & 0 * Z(2) \\ 0 * Z(2) & 0 * Z(2) & Z(2)^0 & 0 * Z(2) \\ 0 * Z(2) & 0 * Z(2) & 0 * Z(2) & Z(2)^0 \end{pmatrix}, \begin{pmatrix} Z(2)^0 & 0 * Z(2) & Z(2)^0 & Z(2)^0 \\ Z(2^3)^5 & Z(2)^0 & Z(2^3)^5 & Z(2^3)^4 \\ Z(2^3)^3 & Z(2^3)^6 & Z(2^3) & Z(2^3)^4 \\ Z(2)^0 & Z(2^3)^6 & Z(2^3)^4 & Z(2^3)^6 \end{pmatrix},$$

$$\begin{pmatrix} Z(2)^0 & Z(2^3)^3 & Z(2)^0 & Z(2^3)^2 \\ Z(2^3)^3 & Z(2^3)^2 & Z(2^3)^2 & Z(2^3)^2 \\ Z(2^3)^4 & Z(2^3)^4 & Z(2^3)^2 & Z(2^3)^2 \\ Z(2^3)^3 & Z(2)^0 & Z(2)^0 & Z(2^3)^2 \end{pmatrix}, \begin{pmatrix} Z(2^3) & Z(2^3) & Z(2^3)^4 & Z(2)^0 \\ Z(2^3)^4 & Z(2^3)^6 & Z(2^3) & Z(2^3)^6 \\ Z(2^3)^3 & Z(2)^0 & Z(2)^0 & Z(2^3)^4 \\ Z(2^3)^4 & Z(2^3)^5 & Z(2)^0 & Z(2^3)^6 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^2 & Z(2^3)^2 & Z(2^3)^2 & Z(2^3)^2 \\ Z(2)^0 & Z(2^3)^2 & Z(2^3)^2 & Z(2)^0 \\ Z(2)^0 & Z(2^3)^4 & Z(2^3)^2 & Z(2^3)^3 \\ Z(2^3)^3 & Z(2^3)^4 & Z(2^3)^3 & Z(2)^0 \end{pmatrix}, \begin{pmatrix} Z(2^3)^2 & Z(2^3)^2 & Z(2^3)^4 & Z(2)^0 \\ Z(2^3)^4 & Z(2^3)^3 & 0 * Z(2) & Z(2^3)^3 \\ Z(2^3)^4 & Z(2^3)^5 & Z(2^3)^4 & Z(2^3)^3 \\ Z(2^3)^5 & Z(2)^0 & Z(2^3)^2 & Z(2^3)^2 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^2 & Z(2^3)^3 & Z(2^3)^3 & Z(2)^0 \\ Z(2^3)^2 & Z(2^3)^4 & 0 * Z(2) & Z(2^3)^4 \\ Z(2)^0 & Z(2^3)^5 & Z(2^3)^3 & Z(2^3)^2 \\ Z(2^3)^5 & Z(2^3)^4 & Z(2^3)^4 & Z(2^3)^2 \end{pmatrix}, \begin{pmatrix} Z(2^3)^3 & 0 * Z(2) & Z(2^3)^6 & Z(2^3) \\ Z(2^3)^2 & Z(2^3)^2 & Z(2^3)^5 & Z(2^3)^4 \\ Z(2^3)^6 & Z(2^3)^5 & Z(2^3)^3 & Z(2^3)^2 \\ Z(2^3)^3 & Z(2)^0 & Z(2^3)^3 & Z(2^3)^5 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^4 & Z(2^3)^2 & Z(2^3)^3 & Z(2^3)^4 \\ Z(2^3)^4 & Z(2^3)^3 & Z(2^3)^6 & Z(2^3)^2 \\ Z(2)^0 & 0 * Z(2) & Z(2^3)^5 & Z(2^3) \\ Z(2^3)^3 & Z(2^3)^5 & Z(2^3)^5 & Z(2^3)^6 \end{pmatrix}, \begin{pmatrix} Z(2^3)^5 & Z(2^3)^2 & Z(2^3)^4 & Z(2^3) \\ Z(2^3)^3 & Z(2^3)^3 & Z(2^3)^5 & Z(2^3)^6 \\ Z(2)^0 & Z(2^3)^5 & Z(2^3)^2 & 0 * Z(2) \\ Z(2^3)^3 & Z(2^3)^6 & Z(2^3)^2 & Z(2^3)^3 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^6 & Z(2^3) & Z(2^3)^2 & Z(2^3)^4 \\ Z(2^3)^5 & Z(2^3)^5 & Z(2^3)^6 & Z(2^3)^3 \\ Z(2^3)^5 & 0 * Z(2) & Z(2^3)^3 & Z(2^3)^2 \\ Z(2^3)^3 & Z(2)^0 & Z(2^3)^4 & Z(2^3)^4 \end{pmatrix}, \begin{pmatrix} Z(2^3)^6 & Z(2^3)^4 & Z(2^3)^4 & Z(2)^0 \\ Z(2^3)^4 & Z(2^3) & Z(2^3)^5 & Z(2)^0 \\ Z(2^3)^6 & Z(2^3)^6 & Z(2)^0 & 0 * Z(2) \\ Z(2)^0 & Z(2^3)^3 & Z(2^3)^5 & Z(2)^0 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^6 & Z(2^3)^4 & Z(2^3)^6 & Z(2)^0 \\ Z(2)^0 & Z(2)^0 & Z(2^3) & Z(2^3)^4 \\ Z(2^3)^5 & Z(2)^0 & Z(2^3)^6 & Z(2^3) \\ Z(2^3)^4 & Z(2^3)^3 & Z(2^3)^4 & Z(2^3) \end{pmatrix}.$$

The character table of G^{s_5} :

	10												
$\chi_5^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_5^{(2)}$	1	A	F	/C	/F	D	/D	B	/E	/B	E	/A	C
$\chi_5^{(3)}$	1	B	/A	/F	A	/E	E	D	C	/D	/C	/B	F
$\chi_5^{(4)}$	1	C	E	D	/E	/A	A	F	/B	/F	B	/C	/D
$\chi_5^{(5)}$	1	D	/B	A	B	C	/C	/E	F	E	/F	/D	/A
$\chi_5^{(6)}$	1	E	D	/B	/D	/F	F	/C	A	C	/A	/E	B
$\chi_5^{(7)}$	1	F	/C	/E	C	/B	B	/A	/D	A	D	/F	E
$\chi_5^{(8)}$	1	/F	C	E	/C	B	/B	A	D	/A	/D	F	/E
$\chi_5^{(9)}$	1	/E	/D	B	D	F	/F	C	/A	/C	A	E	/B
$\chi_5^{(10)}$	1	/D	B	/A	/B	/C	C	E	/F	/E	F	D	A
$\chi_5^{(11)}$	1	/C	/E	/D	E	A	/A	/F	B	F	/B	C	D
$\chi_5^{(12)}$	1	/B	A	F	/A	E	/E	/D	/C	D	C	B	/F
$\chi_5^{(13)}$	1	/A	/F	C	F	/D	D	/B	E	B	/E	A	/C

where $A = E(13)^4$; $B = E(13)^8$; $C = E(13)^{12}$; $D = E(13)^3$; $E = E(13)^7$; $F = E(13)^{11}$.

The generators of G^{s_6} are:

$$\begin{pmatrix} Z(2^3)^2 & Z(2^3)^2 & Z(2^3)^2 & Z(2^3)^2 \\ Z(2)^0 & Z(2^3)^2 & Z(2^3)^2 & Z(2)^0 \\ Z(2)^0 & Z(2^3)^4 & Z(2^3)^2 & Z(2^3)^3 \\ Z(2^3)^3 & Z(2^3)^4 & Z(2^3)^3 & Z(2)^0 \end{pmatrix}$$

The representatives of conjugacy classes of G^{s_6} are:

$$\begin{pmatrix} Z(2)^0 & 0 * Z(2) & 0 * Z(2) & 0 * Z(2) \\ 0 * Z(2) & Z(2)^0 & 0 * Z(2) & 0 * Z(2) \\ 0 * Z(2) & 0 * Z(2) & Z(2)^0 & 0 * Z(2) \\ 0 * Z(2) & 0 * Z(2) & 0 * Z(2) & Z(2)^0 \end{pmatrix}, \begin{pmatrix} Z(2)^0 & 0 * Z(2) & Z(2)^0 & Z(2)^0 \\ Z(2^3)^5 & Z(2)^0 & Z(2^3)^5 & Z(2^3)^4 \\ Z(2^3)^3 & Z(2^3)^6 & Z(2^3) & Z(2^3)^4 \\ Z(2)^0 & Z(2^3)^6 & Z(2^3)^4 & Z(2^3)^6 \end{pmatrix},$$

$$\begin{pmatrix} Z(2)^0 & Z(2^3)^3 & Z(2)^0 & Z(2^3)^2 \\ Z(2^3)^3 & Z(2^3)^2 & Z(2^3)^2 & Z(2^3)^2 \\ Z(2^3)^4 & Z(2^3)^4 & Z(2^3)^2 & Z(2^3)^2 \\ Z(2^3)^3 & Z(2)^0 & Z(2)^0 & Z(2^3)^2 \end{pmatrix}, \begin{pmatrix} Z(2^3) & Z(2^3) & Z(2^3)^4 & Z(2)^0 \\ Z(2^3)^4 & Z(2^3)^6 & Z(2^3) & Z(2^3)^6 \\ Z(2^3)^3 & Z(2)^0 & Z(2)^0 & Z(2^3)^4 \\ Z(2^3)^4 & Z(2^3)^5 & Z(2)^0 & Z(2^3)^6 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^2 & Z(2^3)^2 & Z(2^3)^2 & Z(2^3)^2 \\ Z(2)^0 & Z(2^3)^2 & Z(2^3)^2 & Z(2)^0 \\ Z(2)^0 & Z(2^3)^4 & Z(2^3)^2 & Z(2^3)^3 \\ Z(2^3)^3 & Z(2^3)^4 & Z(2^3)^3 & Z(2)^0 \end{pmatrix}, \begin{pmatrix} Z(2^3)^2 & Z(2^3)^2 & Z(2^3)^4 & Z(2)^0 \\ Z(2^3)^4 & Z(2^3)^3 & 0 * Z(2) & Z(2^3)^3 \\ Z(2^3)^4 & Z(2^3)^5 & Z(2^3)^4 & Z(2^3)^3 \\ Z(2^3)^5 & Z(2)^0 & Z(2^3)^2 & Z(2^3)^2 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^2 & Z(2^3)^3 & Z(2^3)^3 & Z(2)^0 \\ Z(2^3)^2 & Z(2^3)^4 & 0 * Z(2) & Z(2^3)^4 \\ Z(2)^0 & Z(2^3)^5 & Z(2^3)^3 & Z(2^3)^2 \\ Z(2^3)^5 & Z(2^3)^4 & Z(2^3)^4 & Z(2^3)^2 \end{pmatrix}, \begin{pmatrix} Z(2^3)^3 & 0 * Z(2) & Z(2^3)^6 & Z(2^3) \\ Z(2^3)^2 & Z(2^3)^2 & Z(2^3)^5 & Z(2^3)^4 \\ Z(2^3)^6 & Z(2^3)^5 & Z(2^3)^3 & Z(2^3)^2 \\ Z(2^3)^3 & Z(2)^0 & Z(2^3)^3 & Z(2^3)^5 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^4 & Z(2^3)^2 & Z(2^3)^3 & Z(2^3)^4 \\ Z(2^3)^4 & Z(2^3)^3 & Z(2^3)^6 & Z(2^3)^2 \\ Z(2)^0 & 0 * Z(2) & Z(2^3)^5 & Z(2^3) \\ Z(2^3)^3 & Z(2^3)^5 & Z(2^3)^5 & Z(2^3)^6 \end{pmatrix}, \begin{pmatrix} Z(2^3)^5 & Z(2^3)^2 & Z(2^3)^4 & Z(2^3) \\ Z(2^3)^3 & Z(2^3)^3 & Z(2^3)^5 & Z(2^3)^6 \\ Z(2)^0 & Z(2^3)^5 & Z(2^3)^2 & 0 * Z(2) \\ Z(2^3)^3 & Z(2^3)^6 & Z(2^3)^2 & Z(2^3)^3 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^6 & Z(2^3) & Z(2^3)^2 & Z(2^3)^4 \\ Z(2^3)^5 & Z(2^3)^5 & Z(2^3)^6 & Z(2^3)^3 \\ Z(2^3)^5 & 0 * Z(2) & Z(2^3)^3 & Z(2^3)^2 \\ Z(2^3)^3 & Z(2)^0 & Z(2^3)^4 & Z(2^3)^4 \end{pmatrix}, \begin{pmatrix} Z(2^3)^6 & Z(2^3)^4 & Z(2^3)^4 & Z(2)^0 \\ Z(2^3)^4 & Z(2^3) & Z(2^3)^5 & Z(2)^0 \\ Z(2^3)^6 & Z(2^3)^6 & Z(2)^0 & 0 * Z(2) \\ Z(2)^0 & Z(2^3)^3 & Z(2^3)^5 & Z(2)^0 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^6 & Z(2^3)^4 & Z(2^3)^6 & Z(2)^0 \\ Z(2)^0 & Z(2)^0 & Z(2^3) & Z(2^3)^4 \\ Z(2^3)^5 & Z(2)^0 & Z(2^3)^6 & Z(2^3) \\ Z(2^3)^4 & Z(2^3)^3 & Z(2^3)^4 & Z(2^3) \end{pmatrix}.$$

The character table of G^{s_6} :

	10												
$\chi_6^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	
$\chi_6^{(2)}$	1	A	F	/C	/F	D	/D	B	/E	/B	E	/A	C
$\chi_6^{(3)}$	1	B	/A	/F	A	/E	E	D	C	/D	/C	/B	F
$\chi_6^{(4)}$	1	C	E	D	/E	/A	A	F	/B	/F	B	/C	/D
$\chi_6^{(5)}$	1	D	/B	A	B	C	/C	/E	F	E	/F	/D	/A
$\chi_6^{(6)}$	1	E	D	/B	/D	/F	F	/C	A	C	/A	/E	B
$\chi_6^{(7)}$	1	F	/C	/E	C	/B	B	/A	/D	A	D	/F	E
$\chi_6^{(8)}$	1	/F	C	E	/C	B	/B	A	D	/A	/D	F	/E
$\chi_6^{(9)}$	1	/E	/D	B	D	F	/F	C	/A	/C	A	E	/B
$\chi_6^{(10)}$	1	/D	B	/A	/B	/C	C	E	/F	/E	F	D	A
$\chi_6^{(11)}$	1	/C	/E	/D	E	A	/A	/F	B	F	/B	C	D
$\chi_6^{(12)}$	1	/B	A	F	/A	E	/E	/D	/C	D	C	B	/F
$\chi_6^{(13)}$	1	/A	/F	C	F	/D	D	/B	E	B	/E	A	/C

where $A = E(13)^2$; $B = E(13)^4$; $C = E(13)^6$; $D = E(13)^8$; $E = E(13)^{10}$; $F = E(13)^{12}$.

The generators of G^{s_7} are:

$$\begin{pmatrix} Z(2)^0 & 0 * Z(2) & Z(2)^0 & Z(2)^0 \\ Z(2^3)^5 & Z(2)^0 & Z(2^3)^5 & Z(2^3)^4 \\ Z(2^3)^3 & Z(2^3)^6 & Z(2^3) & Z(2^3)^4 \\ Z(2)^0 & Z(2^3)^6 & Z(2^3)^4 & Z(2^3)^6 \end{pmatrix}$$

The representatives of conjugacy classes of G^{s_7} are:

$$\begin{pmatrix} Z(2)^0 & 0 * Z(2) & 0 * Z(2) & 0 * Z(2) \\ 0 * Z(2) & Z(2)^0 & 0 * Z(2) & 0 * Z(2) \\ 0 * Z(2) & 0 * Z(2) & Z(2)^0 & 0 * Z(2) \\ 0 * Z(2) & 0 * Z(2) & 0 * Z(2) & Z(2)^0 \end{pmatrix}, \begin{pmatrix} Z(2)^0 & 0 * Z(2) & Z(2)^0 & Z(2)^0 \\ Z(2^3)^5 & Z(2)^0 & Z(2^3)^5 & Z(2^3)^4 \\ Z(2^3)^3 & Z(2^3)^6 & Z(2^3) & Z(2^3)^4 \\ Z(2)^0 & Z(2^3)^6 & Z(2^3)^4 & Z(2^3)^6 \end{pmatrix},$$

$$\begin{pmatrix} Z(2)^0 & Z(2^3)^3 & Z(2)^0 & Z(2^3)^2 \\ Z(2^3)^3 & Z(2^3)^2 & Z(2^3)^2 & Z(2^3)^2 \\ Z(2^3)^4 & Z(2^3)^4 & Z(2^3)^2 & Z(2^3)^2 \\ Z(2^3)^3 & Z(2)^0 & Z(2)^0 & Z(2^3)^2 \end{pmatrix}, \begin{pmatrix} Z(2^3) & Z(2^3) & Z(2^3)^4 & Z(2)^0 \\ Z(2^3)^4 & Z(2^3)^6 & Z(2^3) & Z(2^3)^6 \\ Z(2^3)^3 & Z(2)^0 & Z(2)^0 & Z(2^3)^4 \\ Z(2^3)^4 & Z(2^3)^5 & Z(2)^0 & Z(2^3)^6 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^2 & Z(2^3)^2 & Z(2^3)^2 & Z(2^3)^2 \\ Z(2)^0 & Z(2^3)^2 & Z(2^3)^2 & Z(2)^0 \\ Z(2)^0 & Z(2^3)^4 & Z(2^3)^2 & Z(2^3)^3 \\ Z(2^3)^3 & Z(2^3)^4 & Z(2^3)^3 & Z(2)^0 \end{pmatrix}, \begin{pmatrix} Z(2^3)^2 & Z(2^3)^2 & Z(2^3)^4 & Z(2)^0 \\ Z(2^3)^4 & Z(2^3)^3 & 0 * Z(2) & Z(2^3)^3 \\ Z(2^3)^4 & Z(2^3)^5 & Z(2^3)^4 & Z(2^3)^3 \\ Z(2^3)^5 & Z(2)^0 & Z(2^3)^2 & Z(2^3)^2 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^2 & Z(2^3)^3 & Z(2^3)^3 & Z(2)^0 \\ Z(2^3)^2 & Z(2^3)^4 & 0 * Z(2) & Z(2^3)^4 \\ Z(2)^0 & Z(2^3)^5 & Z(2^3)^3 & Z(2^3)^2 \\ Z(2^3)^5 & Z(2^3)^4 & Z(2^3)^4 & Z(2^3)^2 \end{pmatrix}, \begin{pmatrix} Z(2^3)^3 & 0 * Z(2) & Z(2^3)^6 & Z(2^3) \\ Z(2^3)^2 & Z(2^3)^2 & Z(2^3)^5 & Z(2^3)^4 \\ Z(2^3)^6 & Z(2^3)^5 & Z(2^3)^3 & Z(2^3)^2 \\ Z(2^3)^3 & Z(2)^0 & Z(2^3)^3 & Z(2^3)^5 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^4 & Z(2^3)^2 & Z(2^3)^3 & Z(2^3)^4 \\ Z(2^3)^4 & Z(2^3)^3 & Z(2^3)^6 & Z(2^3)^2 \\ Z(2)^0 & 0 * Z(2) & Z(2^3)^5 & Z(2^3) \\ Z(2^3)^3 & Z(2^3)^5 & Z(2^3)^5 & Z(2^3)^6 \end{pmatrix}, \begin{pmatrix} Z(2^3)^5 & Z(2^3)^2 & Z(2^3)^4 & Z(2^3) \\ Z(2^3)^3 & Z(2^3)^3 & Z(2^3)^5 & Z(2^3)^6 \\ Z(2)^0 & Z(2^3)^5 & Z(2^3)^2 & 0 * Z(2) \\ Z(2^3)^3 & Z(2^3)^6 & Z(2^3)^2 & Z(2^3)^3 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^6 & Z(2^3) & Z(2^3)^2 & Z(2^3)^4 \\ Z(2^3)^5 & Z(2^3)^5 & Z(2^3)^6 & Z(2^3)^3 \\ Z(2^3)^5 & 0 * Z(2) & Z(2^3)^3 & Z(2^3)^2 \\ Z(2^3)^3 & Z(2)^0 & Z(2^3)^4 & Z(2^3)^4 \end{pmatrix}, \begin{pmatrix} Z(2^3)^6 & Z(2^3)^4 & Z(2^3)^4 & Z(2)^0 \\ Z(2^3)^4 & Z(2^3) & Z(2^3)^5 & Z(2)^0 \\ Z(2^3)^6 & Z(2^3)^6 & Z(2)^0 & 0 * Z(2) \\ Z(2)^0 & Z(2^3)^3 & Z(2^3)^5 & Z(2)^0 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^6 & Z(2^3)^4 & Z(2^3)^6 & Z(2)^0 \\ Z(2)^0 & Z(2)^0 & Z(2^3) & Z(2^3)^4 \\ Z(2^3)^5 & Z(2)^0 & Z(2^3)^6 & Z(2^3) \\ Z(2^3)^4 & Z(2^3)^3 & Z(2^3)^4 & Z(2^3) \end{pmatrix}.$$

The character table of G^{s7} :

	10												
$\chi_7^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_7^{(2)}$	1	A	F	/C	/F	D	/D	B	/E	/B	E	/A	C
$\chi_7^{(3)}$	1	B	/A	/F	A	/E	E	D	C	/D	/C	/B	F
$\chi_7^{(4)}$	1	C	E	D	/E	/A	A	F	/B	/F	B	/C	/D
$\chi_7^{(5)}$	1	D	/B	A	B	C	/C	/E	F	E	/F	/D	/A
$\chi_7^{(6)}$	1	E	D	/B	/D	/F	F	/C	A	C	/A	/E	B
$\chi_7^{(7)}$	1	F	/C	/E	C	/B	B	/A	/D	A	D	/F	E
$\chi_7^{(8)}$	1	/F	C	E	/C	B	/B	A	D	/A	/D	F	/E
$\chi_7^{(9)}$	1	/E	/D	B	D	F	/F	C	/A	/C	A	E	/B
$\chi_7^{(10)}$	1	/D	B	/A	/B	/C	C	E	/F	/E	F	D	A
$\chi_7^{(11)}$	1	/C	/E	/D	E	A	/A	/F	B	F	/B	C	D
$\chi_7^{(12)}$	1	/B	A	F	/A	E	/E	/D	/C	D	C	B	/F
$\chi_7^{(13)}$	1	/A	/F	C	F	/D	D	/B	E	B	/E	A	/C

where $A = E(13)$; $B = E(13)^2$; $C = E(13)^3$; $D = E(13)^4$; $E = E(13)^5$; $F = E(13)^6$.

The generators of G^{s8} are:

$$\begin{pmatrix} Z(2^3)^4 & Z(2)^0 & 0 * Z(2) & Z(2^3) \\ Z(2^3)^6 & Z(2^3)^3 & Z(2^3)^3 & Z(2^3)^4 \\ Z(2)^0 & Z(2^3)^4 & Z(2^3) & 0 * Z(2) \\ Z(2^3)^2 & Z(2^3)^5 & Z(2^3)^4 & Z(2^3)^5 \end{pmatrix}, \begin{pmatrix} Z(2^3)^4 & Z(2^3) & Z(2^3)^2 & Z(2^3)^5 \\ Z(2^3)^4 & Z(2^3)^6 & Z(2^3)^6 & Z(2^3) \\ Z(2^3)^2 & Z(2^3) & Z(2^3)^2 & Z(2^3)^3 \\ Z(2)^0 & Z(2^3) & Z(2^3)^6 & Z(2^3)^5 \end{pmatrix}$$

$$\begin{pmatrix} Z(2^3)^3 & Z(2^3)^2 & Z(2^3)^2 & Z(2)^0 \\ 0 * Z(2) & Z(2^3)^2 & Z(2^3)^5 & Z(2^3)^2 \\ Z(2^3)^4 & Z(2^3)^3 & Z(2^3)^2 & Z(2^3)^2 \\ Z(2)^0 & Z(2^3)^4 & 0 * Z(2) & Z(2^3)^3 \end{pmatrix}$$

The representatives of conjugacy classes of G^{s8} are:

$$\begin{pmatrix} Z(2)^0 & 0 * Z(2) & 0 * Z(2) & 0 * Z(2) \\ 0 * Z(2) & Z(2)^0 & 0 * Z(2) & 0 * Z(2) \\ 0 * Z(2) & 0 * Z(2) & Z(2)^0 & 0 * Z(2) \\ 0 * Z(2) & 0 * Z(2) & 0 * Z(2) & Z(2)^0 \end{pmatrix}, \begin{pmatrix} Z(2)^0 & Z(2^3) & Z(2)^0 & Z(2^3)^4 \\ Z(2^3) & Z(2^3)^6 & Z(2^3)^2 & Z(2)^0 \\ Z(2^3)^4 & Z(2)^0 & Z(2^3)^6 & Z(2^3) \\ Z(2^3)^4 & Z(2^3)^4 & Z(2^3) & Z(2)^0 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3) & Z(2^3)^2 & 0 * Z(2) & Z(2)^0 \\ Z(2^3)^3 & Z(2^3)^6 & Z(2)^0 & Z(2^3)^4 \\ Z(2^3)^5 & Z(2^3)^3 & Z(2^3)^2 & Z(2^3)^6 \\ Z(2^3)^5 & Z(2)^0 & 0 * Z(2) & Z(2^3)^3 \end{pmatrix}, \begin{pmatrix} Z(2^3) & Z(2^3)^5 & Z(2^3)^2 & Z(2^3)^2 \\ 0 * Z(2) & Z(2^3)^3 & Z(2^3)^5 & Z(2^3) \\ Z(2^3) & Z(2^3)^5 & Z(2^3) & Z(2^3)^4 \\ Z(2^3) & Z(2^3)^2 & Z(2^3)^3 & Z(2^3)^3 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^2 & 0 * Z(2) & Z(2^3)^2 & Z(2^3)^2 \\ Z(2)^0 & Z(2^3)^6 & Z(2)^0 & Z(2^3)^2 \\ Z(2^3)^5 & Z(2^3)^5 & Z(2^3)^6 & 0 * Z(2) \\ Z(2^3)^2 & Z(2^3)^5 & Z(2)^0 & Z(2^3)^2 \end{pmatrix}, \begin{pmatrix} Z(2^3)^2 & Z(2^3) & Z(2^3)^6 & Z(2^3) \\ Z(2^3)^3 & Z(2)^0 & Z(2^3)^6 & Z(2^3)^6 \\ Z(2)^0 & Z(2^3)^4 & Z(2)^0 & Z(2^3) \\ Z(2^3) & Z(2)^0 & Z(2^3)^3 & Z(2^3)^2 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^3 & Z(2^3)^2 & Z(2^3)^2 & Z(2)^0 \\ 0 * Z(2) & Z(2^3)^2 & Z(2^3)^5 & Z(2^3)^2 \\ Z(2^3)^4 & Z(2^3)^3 & Z(2^3)^2 & Z(2^3)^2 \\ Z(2)^0 & Z(2^3)^4 & 0 * Z(2) & Z(2^3)^3 \end{pmatrix}, \begin{pmatrix} Z(2^3)^3 & Z(2^3)^4 & Z(2^3) & Z(2^3)^2 \\ Z(2^3)^3 & Z(2^3) & Z(2^3)^5 & Z(2^3)^2 \\ Z(2^3)^2 & Z(2^3)^5 & Z(2^3)^3 & Z(2^3)^5 \\ Z(2^3) & Z(2^3) & 0 * Z(2) & Z(2^3) \end{pmatrix}, \\
\begin{pmatrix} Z(2^3)^3 & Z(2^3)^4 & Z(2^3)^6 & Z(2^3)^5 \\ Z(2^3) & 0 * Z(2) & Z(2^3)^3 & Z(2^3)^6 \\ 0 * Z(2) & Z(2^3) & 0 * Z(2) & Z(2^3)^4 \\ Z(2^3)^5 & 0 * Z(2) & Z(2^3) & Z(2^3)^3 \end{pmatrix}, \begin{pmatrix} Z(2^3)^3 & Z(2^3)^6 & Z(2^3)^4 & Z(2)^0 \\ 0 * Z(2) & Z(2^3)^2 & Z(2)^0 & 0 * Z(2) \\ Z(2)^0 & Z(2^3)^3 & Z(2^3)^6 & Z(2^3)^2 \\ Z(2^3)^5 & Z(2^3)^5 & Z(2^3)^3 & Z(2^3) \end{pmatrix}, \\
\begin{pmatrix} Z(2^3)^4 & Z(2)^0 & 0 * Z(2) & Z(2^3) \\ Z(2^3)^6 & Z(2^3)^3 & Z(2^3)^3 & Z(2^3)^4 \\ Z(2)^0 & Z(2^3)^4 & Z(2^3) & 0 * Z(2) \\ Z(2^3)^2 & Z(2^3)^5 & Z(2^3)^4 & Z(2^3)^5 \end{pmatrix}, \begin{pmatrix} Z(2^3)^4 & Z(2^3) & Z(2^3)^2 & Z(2^3)^5 \\ Z(2^3)^4 & Z(2^3)^6 & Z(2^3)^6 & Z(2^3) \\ Z(2^3)^2 & Z(2^3) & Z(2^3)^2 & Z(2^3)^3 \\ Z(2)^0 & Z(2^3) & Z(2^3)^6 & Z(2^3)^5 \end{pmatrix}, \\
\begin{pmatrix} Z(2^3)^4 & Z(2^3)^2 & 0 * Z(2) & Z(2^3)^6 \\ Z(2)^0 & 0 * Z(2) & Z(2^3)^4 & 0 * Z(2) \\ Z(2)^0 & Z(2^3)^2 & 0 * Z(2) & Z(2^3)^2 \\ Z(2^3)^6 & Z(2)^0 & Z(2)^0 & Z(2^3)^4 \end{pmatrix}, \begin{pmatrix} Z(2^3)^4 & Z(2^3)^4 & Z(2)^0 & Z(2^3)^3 \\ Z(2^3)^3 & Z(2^3)^2 & Z(2^3) & Z(2)^0 \\ Z(2^3)^5 & Z(2^3)^6 & Z(2^3)^2 & Z(2^3)^4 \\ Z(2^3)^3 & Z(2^3)^5 & Z(2^3)^3 & Z(2^3)^4 \end{pmatrix}, \\
\begin{pmatrix} Z(2^3)^5 & 0 * Z(2) & Z(2^3)^4 & Z(2^3) \\ Z(2^3)^4 & Z(2^3) & Z(2^3)^3 & 0 * Z(2) \\ Z(2^3)^5 & Z(2^3)^4 & Z(2^3)^3 & Z(2)^0 \\ Z(2^3)^2 & Z(2)^0 & Z(2^3)^6 & Z(2^3)^4 \end{pmatrix}, \begin{pmatrix} Z(2^3)^5 & Z(2^3)^3 & Z(2^3) & Z(2^3)^5 \\ Z(2^3)^6 & Z(2^3)^2 & Z(2^3)^6 & Z(2^3)^2 \\ Z(2^3) & Z(2^3) & Z(2^3)^6 & Z(2^3) \\ Z(2)^0 & Z(2^3)^2 & Z(2^3)^4 & Z(2^3)^4 \end{pmatrix}.
\end{pmatrix}$$

The character table of G^{s_8} :

	10															
$\chi_8^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_8^{(2)}$	1	-1	1	1	1	-1	-1	1	1	1	-1	-1	-1	1	-1	-1
$\chi_8^{(3)}$	1	1	1	-1	1	1	-1	-1	-1	1	1	-1	-1	-1	1	-1
$\chi_8^{(4)}$	1	-1	-1	1	1	-1	1	1	-1	-1	1	-1	1	-1	1	-1
$\chi_8^{(5)}$	1	1	-1	-1	1	1	1	-1	1	-1	-1	-1	1	1	-1	-1
$\chi_8^{(6)}$	1	-1	-1	-1	1	-1	-1	-1	1	-1	1	1	-1	1	1	1
$\chi_8^{(7)}$	1	1	-1	1	1	1	-1	1	-1	-1	-1	1	-1	-1	-1	1
$\chi_8^{(8)}$	1	-1	1	-1	1	-1	1	-1	-1	1	-1	1	1	-1	-1	1
$\chi_8^{(9)}$	1	1	A	-A	-1	-1	-1	A	-1	-A	-A	A	1	1	A	-A
$\chi_8^{(10)}$	1	1	-A	A	-1	-1	-1	-A	-1	A	A	-A	1	1	-A	A
$\chi_8^{(11)}$	1	-1	A	A	-1	1	-1	-A	1	-A	A	A	1	-1	-A	-A
$\chi_8^{(12)}$	1	-1	-A	-A	-1	1	-1	A	1	A	-A	-A	1	-1	A	A
$\chi_8^{(13)}$	1	1	-A	-A	-1	-1	1	A	1	A	A	A	-1	-1	-A	-A
$\chi_8^{(14)}$	1	1	A	A	-1	-1	1	-A	1	-A	-A	-A	-1	-1	A	A
$\chi_8^{(15)}$	1	-1	-A	A	-1	1	1	-A	-1	A	-A	A	-1	1	A	-A
$\chi_8^{(16)}$	1	-1	A	-A	-1	1	1	A	-1	-A	A	-A	-1	1	-A	A

where $A = -E(4) = -ER(-1) = -i$.

The generators of G^{s_9} are:

$$\begin{pmatrix} Z(2^3)^5 & 0 * Z(2) & Z(2^3)^4 & Z(2^3) \\ Z(2^3)^4 & Z(2^3) & Z(2^3)^3 & 0 * Z(2) \\ Z(2^3)^5 & Z(2^3)^4 & Z(2^3)^3 & Z(2)^0 \\ Z(2^3)^2 & Z(2)^0 & Z(2^3)^6 & Z(2^3)^4 \end{pmatrix}, \begin{pmatrix} Z(2^3)^4 & Z(2^3) & Z(2^3)^2 & Z(2^3)^5 \\ Z(2^3)^4 & Z(2^3)^6 & Z(2^3)^6 & Z(2^3) \\ Z(2^3)^2 & Z(2^3) & Z(2^3)^2 & Z(2^3)^3 \\ Z(2)^0 & Z(2^3) & Z(2^3)^6 & Z(2^3)^5 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^3 & Z(2^3)^2 & Z(2^3)^2 & Z(2)^0 \\ 0 * Z(2) & Z(2^3)^2 & Z(2^3)^5 & Z(2^3)^2 \\ Z(2^3)^4 & Z(2^3)^3 & Z(2^3)^2 & Z(2^3)^2 \\ Z(2)^0 & Z(2^3)^4 & 0 * Z(2) & Z(2^3)^3 \end{pmatrix}$$

The representatives of conjugacy classes of G^{s_9} are:

$$\begin{pmatrix} Z(2)^0 & 0 * Z(2) & 0 * Z(2) & 0 * Z(2) \\ 0 * Z(2) & Z(2)^0 & 0 * Z(2) & 0 * Z(2) \\ 0 * Z(2) & 0 * Z(2) & Z(2)^0 & 0 * Z(2) \\ 0 * Z(2) & 0 * Z(2) & 0 * Z(2) & Z(2)^0 \end{pmatrix}, \begin{pmatrix} Z(2)^0 & Z(2^3) & Z(2)^0 & Z(2^3)^4 \\ Z(2^3) & Z(2^3)^6 & Z(2^3)^2 & Z(2)^0 \\ Z(2^3)^4 & Z(2)^0 & Z(2^3)^6 & Z(2^3) \\ Z(2^3)^4 & Z(2^3)^4 & Z(2^3) & Z(2)^0 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3) & Z(2^3)^2 & 0 * Z(2) & Z(2)^0 \\ Z(2^3)^3 & Z(2^3)^6 & Z(2)^0 & Z(2^3)^4 \\ Z(2^3)^5 & Z(2^3)^3 & Z(2^3)^2 & Z(2^3)^6 \\ Z(2^3)^5 & Z(2)^0 & 0 * Z(2) & Z(2^3)^3 \end{pmatrix}, \begin{pmatrix} Z(2^3) & Z(2^3)^5 & Z(2^3)^2 & Z(2^3)^2 \\ 0 * Z(2) & Z(2^3)^3 & Z(2^3)^5 & Z(2^3) \\ Z(2^3) & Z(2^3)^5 & Z(2^3) & Z(2^3)^4 \\ Z(2^3) & Z(2^3)^2 & Z(2^3)^3 & Z(2^3)^3 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^2 & 0 * Z(2) & Z(2^3)^2 & Z(2^3)^2 \\ Z(2)^0 & Z(2^3)^6 & Z(2)^0 & Z(2^3)^2 \\ Z(2^3)^5 & Z(2^3)^5 & Z(2^3)^6 & 0 * Z(2) \\ Z(2^3)^2 & Z(2^3)^5 & Z(2)^0 & Z(2^3)^2 \end{pmatrix}, \begin{pmatrix} Z(2^3)^2 & Z(2^3) & Z(2^3)^6 & Z(2^3) \\ Z(2^3)^3 & Z(2)^0 & Z(2^3)^6 & Z(2^3)^6 \\ Z(2)^0 & Z(2^3)^4 & Z(2)^0 & Z(2^3) \\ Z(2^3) & Z(2)^0 & Z(2^3)^3 & Z(2^3)^2 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^3 & Z(2^3)^2 & Z(2^3)^2 & Z(2)^0 \\ 0 * Z(2) & Z(2^3)^2 & Z(2^3)^5 & Z(2^3)^2 \\ Z(2^3)^4 & Z(2^3)^3 & Z(2^3)^2 & Z(2^3)^2 \\ Z(2)^0 & Z(2^3)^4 & 0 * Z(2) & Z(2^3)^3 \end{pmatrix}, \begin{pmatrix} Z(2^3)^3 & Z(2^3)^4 & Z(2^3) & Z(2^3)^2 \\ Z(2^3)^3 & Z(2^3) & Z(2^3)^5 & Z(2^3)^2 \\ Z(2^3)^2 & Z(2^3)^5 & Z(2^3)^3 & Z(2^3)^5 \\ Z(2^3) & Z(2^3) & 0 * Z(2) & Z(2^3) \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^3 & Z(2^3)^4 & Z(2^3)^6 & Z(2^3)^5 \\ Z(2^3) & 0 * Z(2) & Z(2^3)^3 & Z(2^3)^6 \\ 0 * Z(2) & Z(2^3) & 0 * Z(2) & Z(2^3)^4 \\ Z(2^3)^5 & 0 * Z(2) & Z(2^3) & Z(2^3)^3 \end{pmatrix}, \begin{pmatrix} Z(2^3)^3 & Z(2^3)^6 & Z(2^3)^4 & Z(2)^0 \\ 0 * Z(2) & Z(2^3)^2 & Z(2)^0 & 0 * Z(2) \\ Z(2)^0 & Z(2^3)^3 & Z(2^3)^6 & Z(2^3)^2 \\ Z(2^3)^5 & Z(2^3)^5 & Z(2^3)^3 & Z(2^3) \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^4 & Z(2)^0 & 0 * Z(2) & Z(2^3) \\ Z(2^3)^6 & Z(2^3)^3 & Z(2^3)^3 & Z(2^3)^4 \\ Z(2)^0 & Z(2^3)^4 & Z(2^3) & 0 * Z(2) \\ Z(2^3)^2 & Z(2^3)^5 & Z(2^3)^4 & Z(2^3)^5 \end{pmatrix}, \begin{pmatrix} Z(2^3)^4 & Z(2^3) & Z(2^3)^2 & Z(2^3)^5 \\ Z(2^3)^4 & Z(2^3)^6 & Z(2^3)^6 & Z(2^3) \\ Z(2^3)^2 & Z(2^3) & Z(2^3)^2 & Z(2^3)^3 \\ Z(2)^0 & Z(2^3) & Z(2^3)^6 & Z(2^3)^5 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^4 & Z(2^3)^2 & 0 * Z(2) & Z(2^3)^6 \\ Z(2)^0 & 0 * Z(2) & Z(2^3)^4 & 0 * Z(2) \\ Z(2)^0 & Z(2^3)^2 & 0 * Z(2) & Z(2^3)^2 \\ Z(2^3)^6 & Z(2)^0 & Z(2)^0 & Z(2^3)^4 \end{pmatrix}, \begin{pmatrix} Z(2^3)^4 & Z(2^3)^4 & Z(2)^0 & Z(2^3)^3 \\ Z(2^3)^3 & Z(2^3)^2 & Z(2^3) & Z(2)^0 \\ Z(2^3)^5 & Z(2^3)^6 & Z(2^3)^2 & Z(2^3)^4 \\ Z(2^3)^3 & Z(2^3)^5 & Z(2^3)^3 & Z(2^3)^4 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^5 & 0 * Z(2) & Z(2^3)^4 & Z(2^3) \\ Z(2^3)^4 & Z(2^3) & Z(2^3)^3 & 0 * Z(2) \\ Z(2^3)^5 & Z(2^3)^4 & Z(2^3)^3 & Z(2)^0 \\ Z(2^3)^2 & Z(2)^0 & Z(2^3)^6 & Z(2^3)^4 \end{pmatrix}, \begin{pmatrix} Z(2^3)^5 & Z(2^3)^3 & Z(2^3) & Z(2^3)^5 \\ Z(2^3)^6 & Z(2^3)^2 & Z(2^3)^6 & Z(2^3)^2 \\ Z(2^3) & Z(2^3) & Z(2^3)^6 & Z(2^3) \\ Z(2)^0 & Z(2^3)^2 & Z(2^3)^4 & Z(2^3)^4 \end{pmatrix}.$$

The character table of G^{s_9} :

	10															
$\chi_9^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_9^{(2)}$	1	-1	1	1	1	-1	-1	1	1	1	-1	-1	-1	1	-1	-1
$\chi_9^{(3)}$	1	1	1	-1	1	1	-1	-1	-1	1	1	-1	-1	-1	1	-1
$\chi_9^{(4)}$	1	-1	-1	1	1	-1	1	1	-1	-1	1	-1	1	-1	1	-1
$\chi_9^{(5)}$	1	1	-1	-1	1	1	1	-1	1	-1	-1	-1	1	1	-1	-1
$\chi_9^{(6)}$	1	-1	-1	-1	1	-1	-1	-1	1	-1	1	1	-1	1	1	1
$\chi_9^{(7)}$	1	1	-1	1	1	1	-1	1	-1	-1	-1	1	-1	-1	-1	1
$\chi_9^{(8)}$	1	-1	1	-1	1	-1	1	-1	-1	1	-1	1	1	-1	-1	1
$\chi_9^{(9)}$	1	1	A	-A	-1	-1	-1	A	-1	-A	-A	A	1	1	A	-A
$\chi_9^{(10)}$	1	1	-A	A	-1	-1	-1	-A	-1	A	A	-A	1	1	-A	A
$\chi_9^{(11)}$	1	-1	A	A	-1	1	-1	-A	1	-A	A	A	1	-1	-A	-A
$\chi_9^{(12)}$	1	-1	-A	-A	-1	1	-1	A	1	A	-A	-A	1	-1	A	A
$\chi_9^{(13)}$	1	1	-A	-A	-1	-1	1	A	1	A	A	A	-1	-1	-A	-A
$\chi_9^{(14)}$	1	1	A	A	-1	-1	1	-A	1	-A	-A	-A	-1	-1	A	A
$\chi_9^{(15)}$	1	-1	-A	A	-1	1	1	-A	-1	A	-A	A	-1	1	A	-A
$\chi_9^{(16)}$	1	-1	A	-A	-1	1	1	A	-1	-A	A	-A	-1	1	-A	A

where $A = -E(4) = -ER(-1) = -i$.

The generators of $G^{s_{10}}$ are:

$$\begin{pmatrix} Z(2^3)^2 & 0 * Z(2) & Z(2^3)^2 & Z(2^3)^2 \\ Z(2)^0 & Z(2^3)^6 & Z(2)^0 & Z(2^3)^2 \\ Z(2^3)^5 & Z(2^3)^5 & Z(2^3)^6 & 0 * Z(2) \\ Z(2^3)^2 & Z(2^3)^5 & Z(2)^0 & Z(2^3)^2 \end{pmatrix}, \begin{pmatrix} Z(2^3)^4 & Z(2^3)^4 & Z(2^3) & Z(2)^0 \\ Z(2)^0 & Z(2^3)^4 & Z(2)^0 & 0 * Z(2) \\ Z(2^3) & Z(2)^0 & 0 * Z(2) & 0 * Z(2) \\ Z(2)^0 & 0 * Z(2) & 0 * Z(2) & 0 * Z(2) \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^3 & Z(2^3)^5 & Z(2^3)^6 & Z(2^3) \\ Z(2^3)^2 & Z(2^3) & Z(2^3)^2 & Z(2)^0 \\ Z(2^3)^2 & Z(2)^0 & Z(2^3)^6 & 0 * Z(2) \\ Z(2)^0 & 0 * Z(2) & Z(2^3)^4 & Z(2^3)^2 \end{pmatrix}, \begin{pmatrix} Z(2^3)^4 & Z(2^3) & Z(2^3)^2 & Z(2^3)^5 \\ Z(2^3)^4 & Z(2^3)^6 & Z(2^3)^6 & Z(2^3) \\ Z(2^3)^2 & Z(2^3) & Z(2^3)^2 & Z(2^3)^3 \\ Z(2)^0 & Z(2^3) & Z(2^3)^6 & Z(2^3)^5 \end{pmatrix}$$

The representatives of conjugacy classes of $G^{s_{10}}$ are:

$$\begin{pmatrix} Z(2)^0 & 0 * Z(2) & 0 * Z(2) & 0 * Z(2) \\ 0 * Z(2) & Z(2)^0 & 0 * Z(2) & 0 * Z(2) \\ 0 * Z(2) & 0 * Z(2) & Z(2)^0 & 0 * Z(2) \\ 0 * Z(2) & 0 * Z(2) & 0 * Z(2) & Z(2)^0 \end{pmatrix}, \begin{pmatrix} 0 * Z(2) & 0 * Z(2) & 0 * Z(2) & Z(2)^0 \\ 0 * Z(2) & 0 * Z(2) & Z(2)^0 & Z(2^3) \\ 0 * Z(2) & Z(2)^0 & Z(2^3)^4 & Z(2^3)^4 \\ Z(2)^0 & Z(2^3) & Z(2)^0 & Z(2^3)^4 \end{pmatrix},$$

$$\begin{pmatrix} Z(2)^0 & 0 * Z(2) & Z(2^3)^4 & Z(2^3)^2 \\ Z(2^3)^4 & Z(2)^0 & Z(2^3) & Z(2^3)^3 \\ Z(2^3)^5 & Z(2^3)^2 & Z(2^3)^6 & Z(2^3)^2 \\ Z(2^3) & Z(2^3) & Z(2)^0 & Z(2^3)^6 \end{pmatrix}, \begin{pmatrix} Z(2)^0 & Z(2^3) & Z(2)^0 & Z(2^3)^4 \\ Z(2^3) & Z(2^3)^6 & Z(2^3)^2 & Z(2)^0 \\ Z(2^3)^4 & Z(2)^0 & Z(2^3)^6 & Z(2^3) \\ Z(2^3)^4 & Z(2^3)^4 & Z(2^3) & Z(2)^0 \end{pmatrix},$$

$$\begin{pmatrix} Z(2)^0 & Z(2^3) & Z(2^3)^6 & Z(2^3)^5 \\ Z(2^3)^4 & Z(2^3)^4 & Z(2^3)^6 & Z(2^3)^4 \\ Z(2^3)^6 & Z(2^3)^6 & Z(2^3)^3 & Z(2^3)^5 \\ Z(2^3)^3 & Z(2^3)^4 & Z(2^3) & Z(2^3)^2 \end{pmatrix}, \begin{pmatrix} Z(2)^0 & Z(2^3)^2 & Z(2^3)^2 & Z(2^3)^3 \\ Z(2^3) & Z(2^3) & Z(2)^0 & Z(2)^0 \\ 0 * Z(2) & Z(2^3)^4 & Z(2^3)^4 & 0 * Z(2) \\ Z(2^3)^6 & Z(2^3)^6 & Z(2^3)^6 & Z(2^3)^6 \end{pmatrix},$$

$$\begin{pmatrix} Z(2)^0 & Z(2^3)^4 & 0 * Z(2) & Z(2^3)^3 \\ Z(2^3)^2 & Z(2^3)^2 & Z(2^3)^2 & Z(2^3) \\ Z(2^3)^2 & Z(2^3)^5 & Z(2^3) & 0 * Z(2) \\ Z(2^3)^3 & Z(2^3)^4 & Z(2^3)^6 & Z(2^3)^5 \end{pmatrix}, \begin{pmatrix} Z(2)^0 & Z(2^3)^4 & Z(2)^0 & Z(2^3)^2 \\ Z(2^3)^6 & Z(2^3) & Z(2)^0 & Z(2^3)^4 \\ Z(2^3)^4 & Z(2)^0 & 0 * Z(2) & Z(2^3)^2 \\ Z(2^3)^6 & Z(2)^0 & Z(2^3)^3 & Z(2^3)^3 \end{pmatrix},$$

$$\begin{aligned}
& \begin{pmatrix} Z(2^3) & Z(2^3) & 0 * Z(2) & Z(2^3) \\ 0 * Z(2) & Z(2^3)^3 & Z(2^3)^3 & Z(2^3)^3 \\ Z(2)^0 & Z(2)^0 & Z(2^3)^4 & Z(2^3)^5 \\ Z(2^3)^4 & Z(2^3) & Z(2^3)^2 & Z(2^3)^5 \end{pmatrix}, \begin{pmatrix} Z(2^3) & Z(2^3) & Z(2)^0 & Z(2^3)^6 \\ Z(2^3)^3 & 0 * Z(2) & Z(2^3)^5 & Z(2^3)^6 \\ Z(2^3)^6 & Z(2^3)^3 & Z(2^3)^5 & Z(2^3)^6 \\ Z(2^3)^4 & Z(2)^0 & Z(2)^0 & Z(2^3)^6 \end{pmatrix}, \\
& \begin{pmatrix} Z(2^3) & Z(2^3)^2 & 0 * Z(2) & Z(2)^0 \\ Z(2^3)^3 & Z(2^3)^6 & Z(2)^0 & Z(2^3)^4 \\ Z(2^3)^5 & Z(2^3)^3 & Z(2^3)^2 & Z(2^3)^6 \\ Z(2^3)^5 & Z(2)^0 & 0 * Z(2) & Z(2^3)^3 \end{pmatrix}, \begin{pmatrix} Z(2^3) & Z(2^3)^5 & Z(2^3)^2 & Z(2^3)^2 \\ 0 * Z(2) & Z(2^3)^3 & Z(2^3)^5 & Z(2^3) \\ Z(2^3) & Z(2^3)^5 & Z(2^3) & Z(2^3)^4 \\ Z(2^3) & Z(2^3)^2 & Z(2^3)^3 & Z(2^3)^3 \end{pmatrix}, \\
& \begin{pmatrix} Z(2^3)^2 & 0 * Z(2) & Z(2^3)^2 & Z(2^3)^2 \\ Z(2)^0 & Z(2^3)^6 & Z(2)^0 & Z(2^3)^2 \\ Z(2^3)^5 & Z(2^3)^5 & Z(2^3)^6 & 0 * Z(2) \\ Z(2^3)^2 & Z(2^3)^5 & Z(2)^0 & Z(2^3)^2 \end{pmatrix}, \begin{pmatrix} Z(2^3)^2 & Z(2^3) & Z(2^3)^2 & Z(2^3)^6 \\ Z(2^3)^4 & Z(2^3)^4 & Z(2^3) & Z(2^3)^6 \\ Z(2^3)^2 & Z(2^3)^3 & Z(2^3)^6 & Z(2)^0 \\ Z(2^3)^3 & Z(2^3)^6 & Z(2^3)^3 & Z(2^3)^5 \end{pmatrix}, \\
& \begin{pmatrix} Z(2^3)^2 & Z(2^3) & Z(2^3)^6 & Z(2^3) \\ Z(2^3)^3 & Z(2)^0 & Z(2^3)^6 & Z(2^3)^6 \\ Z(2)^0 & Z(2^3)^4 & Z(2)^0 & Z(2^3) \\ Z(2^3) & Z(2)^0 & Z(2^3)^3 & Z(2^3)^2 \end{pmatrix}, \begin{pmatrix} Z(2^3)^2 & Z(2^3)^6 & Z(2^3) & Z(2^3)^5 \\ Z(2)^0 & Z(2^3)^3 & Z(2^3)^5 & Z(2^3)^3 \\ Z(2^3)^4 & Z(2^3)^6 & 0 * Z(2) & Z(2^3)^4 \\ Z(2)^0 & Z(2^3)^5 & Z(2^3)^2 & Z(2^3)^5 \end{pmatrix}, \\
& \begin{pmatrix} Z(2^3)^3 & Z(2^3) & Z(2^3) & Z(2^3)^4 \\ Z(2)^0 & Z(2^3)^3 & Z(2^3)^6 & Z(2^3)^4 \\ 0 * Z(2) & Z(2^3)^4 & Z(2^3)^2 & Z(2^3)^6 \\ Z(2^3)^6 & Z(2^3)^2 & Z(2^3)^3 & Z(2^3)^2 \end{pmatrix}, \begin{pmatrix} Z(2^3)^3 & Z(2^3)^2 & Z(2^3)^2 & Z(2)^0 \\ 0 * Z(2) & Z(2^3)^2 & Z(2^3)^5 & Z(2^3)^2 \\ Z(2^3)^4 & Z(2^3)^3 & Z(2^3)^2 & Z(2^3)^2 \\ Z(2)^0 & Z(2^3)^4 & 0 * Z(2) & Z(2^3)^3 \end{pmatrix}, \\
& \begin{pmatrix} Z(2^3)^3 & Z(2^3)^2 & Z(2^3)^4 & Z(2^3)^2 \\ Z(2^3)^3 & 0 * Z(2) & Z(2)^0 & Z(2)^0 \\ Z(2)^0 & Z(2)^0 & Z(2^3) & Z(2^3)^4 \\ Z(2^3)^6 & Z(2^3)^4 & Z(2^3)^6 & Z(2)^0 \end{pmatrix}, \begin{pmatrix} Z(2^3)^3 & Z(2^3)^4 & Z(2^3)^6 & Z(2^3)^5 \\ Z(2^3) & 0 * Z(2) & Z(2^3)^3 & Z(2^3)^6 \\ 0 * Z(2) & Z(2^3) & 0 * Z(2) & Z(2^3)^4 \\ Z(2^3)^5 & 0 * Z(2) & Z(2^3) & Z(2^3)^3 \end{pmatrix}, \\
& \begin{pmatrix} Z(2^3)^4 & Z(2^3)^2 & 0 * Z(2) & Z(2^3)^6 \\ Z(2)^0 & 0 * Z(2) & Z(2^3)^4 & 0 * Z(2) \\ Z(2)^0 & Z(2^3)^2 & 0 * Z(2) & Z(2^3)^2 \\ Z(2^3)^6 & Z(2)^0 & Z(2)^0 & Z(2^3)^4 \end{pmatrix}, \begin{pmatrix} Z(2^3)^4 & Z(2^3)^4 & Z(2)^0 & Z(2^3)^3 \\ Z(2^3)^3 & Z(2^3)^2 & Z(2^3) & Z(2)^0 \\ Z(2^3)^5 & Z(2^3)^6 & Z(2^3)^2 & Z(2^3)^4 \\ Z(2^3)^3 & Z(2^3)^5 & Z(2^3)^3 & Z(2^3)^4 \end{pmatrix}.
\end{aligned}$$

The character table of $G^{s_{10}}$:

	10										20									
$\chi_{10}^{(1)}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_{10}^{(2)}$	1	-1	1	1	1	-1	1	1	-1	-1	-1	1	-1	1	-1	1	1	1	1	1
$\chi_{10}^{(3)}$	1	-1	1	1	-1	1	-1	-1	-1	1	1	1	1	1	1	-1	1	-1	1	1
$\chi_{10}^{(4)}$	1	-1	-1	1	1	-1	-1	-1	1	1	-1	-1	1	1	1	1	1	-1	1	1
$\chi_{10}^{(5)}$	1	-1	-1	1	-1	-1	-1	1	-1	1	1	1	-1	1	-1	1	1	1	1	1
$\chi_{10}^{(6)}$	1	1	-1	1	-1	-1	1	1	-1	-1	-1	1	1	1	1	-1	1	1	1	1
$\chi_{10}^{(7)}$	1	1	-1	1	1	-1	1	-1	1	-1	1	1	-1	1	-1	-1	1	-1	1	1
$\chi_{10}^{(8)}$	1	1	1	1	-1	1	1	-1	-1	1	-1	-1	1	-1	1	1	-1	1	1	1
$\chi_{10}^{(9)}$	2	A	.	-2	.	.	-A	.	.	.	.	-2	.	2	.	.	-2	.	2	-2
$\chi_{10}^{(10)}$	2	-A	.	-2	.	.	A	.	.	.	.	-2	.	2	.	.	-2	.	2	-2
$\chi_{10}^{(11)}$	2	.	.	-2	A	.	.	.	-A	.	.	.	2	.	-2	.	.	2	.	-2
$\chi_{10}^{(12)}$	2	.	.	-2	-A	.	.	.	A	.	.	.	2	.	-2	.	.	2	.	-2
$\chi_{10}^{(13)}$	2	.	.	2	.	.	.	.	.	.	-A	A	-2	.	-2	.	.	-2	.	2
$\chi_{10}^{(14)}$	2	.	.	2	.	.	.	.	.	.	A	-A	-2	.	-2	.	.	-2	.	2
$\chi_{10}^{(15)}$	2	.	.	2	.	.	.	.	.	.	.	.	2	-A	2	A	.	-2	.	-2
$\chi_{10}^{(16)}$	2	.	.	2	.	.	.	.	.	.	.	.	2	A	2	-A	.	-2	.	-2
$\chi_{10}^{(17)}$	2	.	-A	2	.	A	.	.	.	.	.	.	-2	.	-2	.	.	2	.	-2
$\chi_{10}^{(18)}$	2	.	A	2	.	-A	.	.	.	.	.	.	-2	.	-2	.	.	2	.	-2
$\chi_{10}^{(19)}$	2	.	.	-2	.	.	.	-A	.	.	.	.	-2	.	2	.	.	2	A	-2
$\chi_{10}^{(20)}$	2	.	.	-2	.	.	.	A	.	.	.	.	-2	.	2	.	.	2	-A	-2
$\chi_{10}^{(21)}$	2	.	.	-2	.	.	.	.	A	.	.	.	2	.	-2	.	-A	-2	.	2
$\chi_{10}^{(22)}$	2	.	.	-2	.	.	.	.	-A	.	.	.	2	.	-2	.	A	-2	.	2

where $A = 2^*E(4) = 2^*ER(-1) = 2i$.The generators of $G^{s_{11}}$ are:

$$\begin{pmatrix} Z(2^3)^4 & Z(2^3) & Z(2^3)^4 & Z(2^3)^6 \\ Z(2^3)^5 & Z(2^3)^3 & Z(2^3)^4 & 0 * Z(2) \\ Z(2^3)^6 & Z(2^3)^5 & Z(2^3)^5 & Z(2)^0 \\ Z(2^3)^6 & Z(2)^0 & Z(2^3)^6 & Z(2^3)^3 \end{pmatrix}$$

The representatives of conjugacy classes of $G^{s_{11}}$ are:

$$\begin{pmatrix} Z(2)^0 & 0 * Z(2) & 0 * Z(2) & 0 * Z(2) \\ 0 * Z(2) & Z(2)^0 & 0 * Z(2) & 0 * Z(2) \\ 0 * Z(2) & 0 * Z(2) & Z(2)^0 & 0 * Z(2) \\ 0 * Z(2) & 0 * Z(2) & 0 * Z(2) & Z(2)^0 \end{pmatrix}, \begin{pmatrix} Z(2^3)^3 & 0 * Z(2) & Z(2^3)^4 & Z(2)^0 \\ Z(2^3)^6 & Z(2^3)^2 & Z(2)^0 & 0 * Z(2) \\ Z(2^3)^3 & Z(2)^0 & Z(2)^0 & Z(2^3)^3 \\ Z(2^3)^5 & Z(2^3)^5 & Z(2^3)^5 & Z(2^3)^5 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^3 & Z(2)^0 & 0 * Z(2) & Z(2^3)^6 \\ Z(2^3)^6 & Z(2^3)^5 & Z(2^3)^4 & Z(2^3)^4 \\ Z(2)^0 & Z(2^3)^5 & Z(2^3)^3 & Z(2^3) \\ Z(2^3)^6 & Z(2^3)^6 & Z(2^3)^5 & Z(2^3)^4 \end{pmatrix}, \begin{pmatrix} Z(2^3)^4 & Z(2^3) & Z(2^3)^4 & Z(2^3)^6 \\ Z(2^3)^5 & Z(2^3)^3 & Z(2^3)^4 & 0 * Z(2) \\ Z(2^3)^6 & Z(2^3)^5 & Z(2^3)^5 & Z(2)^0 \\ Z(2^3)^6 & Z(2)^0 & Z(2^3)^6 & Z(2^3)^3 \end{pmatrix},$$

$$\begin{pmatrix} Z(2^3)^5 & Z(2^3)^3 & 0 * Z(2) & Z(2)^0 \\ Z(2^3)^5 & Z(2)^0 & Z(2)^0 & Z(2^3)^4 \\ Z(2^3)^5 & Z(2)^0 & Z(2^3)^2 & 0 * Z(2) \\ Z(2^3)^5 & Z(2^3)^3 & Z(2^3)^6 & Z(2^3)^3 \end{pmatrix}.$$

The character table of $G^{s_{11}}$:

$\chi_{11}^{(1)}$	1	1	1	1	1
$\chi_{11}^{(2)}$	1	A	B	/B	/A
$\chi_{11}^{(3)}$	1	B	/A	A	/B
$\chi_{11}^{(4)}$	1	/B	A	/A	B
$\chi_{11}^{(5)}$	1	/A	/B	B	A

where $A = E(5)^2$; $B = E(5)^4$.

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